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This report describes in detail the distribution of funds obligated by 8 federal agencies to 2,100 universities and colleges, and 33 Federally Funded Research and Development Centers that were managed by academic institutions, between fiscal years 1963 and 1967. The funds were provided for academic science (research and development, R. and D. plant, other scientific activities) and nonscience activities, and represented more than 95% of all direct federal support to institutions of higher education. Total federal support increased from $1,413 million in 1963 to $3,311 million in 1967. In 1967, $2,323 million were provided for academic science and about $987 million for nonscience activities. Colleges and universities in the East North Central US received $602 million, or the largest portion of federal funds committed to a major geographic division, and 2-year institutions received more than $117 million. The Department of Health, Education, and Welfare accounted for $2,231 million, or two-thirds of total federal support to universities and colleges in 1967, with more than 95% of this amount obligated by the Public Health Service and the Office of Education. The report contains 20 illustrative tables in the text and 4 statistical tables in the Appendix, one of which shows the total federal obligations to all colleges and universities in 1967 by state, institution, and agency. (WM)

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Federal Support to Universities and Colleges

FISCAL YEAR 1967

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

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GENERAL NOTE

- The Federal obligations in this study were reported by eight agencies that accounted for 95 percent of all Federal support to universities and colleges.
- Federal obligations are reported for the Federal fiscal year, ending June 30 of the year shown.
- Educational data are shown for the academic year, which varies somewhat among institutions, in hyphenated form (e.g., 1965–66 is 1 year).

Federal Support to Universities and Colleges

FISCAL YEAR 1967

Prepared by the National Science Foundation
for the Office of Science and Technology

NATIONAL SCIENCE FOUNDATION
NSF 69–7

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Foreword

THE RESPONSIBILITY for the continued growth of American science and technology has fallen, in large part, upon the Nation's universities and colleges. The academic community endeavors to meet this responsibility by supplying the scientific and engineering manpower and fundamental scientific knowledge required to meet the demands of the future through programs for science education and basic research.

One of the main obstacles faced by institutions of higher education is the problem of keeping pace with the rapidly rising graduate and undergraduate enrollments and growing costs of science education and basic research. It became evident as early as the 1940's that educational institutions did not have the financial resources to carry out the expansion needed to accommodate the increasing demands on their facilities. Over the past two decades, and particularly since 1960, the Federal Government has assumed an increasingly larger share of the burden of financing these activities to the point where Federal funds now account for the largest single source of support for academic science in universities and colleges. Federal support of higher education for both science and nonscience activities has grown to well over $3 billion annually.

In 1965, agency heads were directed by the President to take all steps necessary and compatible with their primary interests and the basic statutes to strengthen the academic science capabilities of the Nation's universities and colleges. Federal administrators responded to this directive first by seeking to create new, imaginative programs—such as the Institutional Development Program of the National Science Foundation—that are specifically designed to give broad support to the development of academic science and engineering. This was followed by review of existing Government programs in search of new methods for insuring an optimal allocation of the Federal resources supporting academic institutions.

The success of these tasks requires continuing, thorough analyses of the needs of the academic community and all practical alternatives for satisfying these needs. It also requires concerted action among officials of all Federal agencies to reduce the overall costs of administering Government programs and to resolve, whenever possible, conflicts in programs which might arise from differences in agencies' missions.

Some of the basic and more difficult questions confronting responsible officials involve the determination of the best mechanism for strengthening academic science, the selection of institutions to receive Federal support, the proper distribution of Federal funds among geographic areas, and the assessment of the impact of Federal policies on academic science. This report is part of a series of studies undertaken to generate information that will help resolve these questions.

The report was prepared under the general direction of Charles E. Falk, Planning Director of the National Science Foundation. The Office of Data Management, Irvin Voltin, Head, was responsible for processing the data. The analysis and the preparation of the report were done in the Office of Economic and Manpower Studies, H. E. Riley, Head.

LELAND J. HAWORTH
Director
National Science Foundation

DECEMBER 1968.

Acknowledgments

This report was developed in the Office of Economic and Manpower Studies, National Science Foundation, under special guidance of Kenneth Sanow, Head, Statistical Surveys and Reports Section. The survey was conducted and the report prepared under the direction of Lawrence A. Seymour, Study Director, Analytical Studies Group. Major responsibility for coordination and final review was taken by William L. Stewart. The data were compiled and the report written by Norman Friedman, Cecelia Hilgert, Robert Loycano, and Xavier Puslowski. Irene Woodall supervised the preparation of statistical material.

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In all tables of this report, details may not add to totals because of rounding. Percentages were calculated on the basis of thousands of dollars and may differ from those based on figures rounded to millions of dollars.

Summary

- Total Federal support to universities and colleges increased from $1,413 million in 1963 to $3,311 million in 1967. The yearly growth, however, had slowed from 42 percent and 32 percent in 1965 and 1966, respectively, to 9 percent in 1967.

- Academic science obligations reached $2,323 million in 1967, a gain of $137 million over 1966. However, among the component categories, "other science activities" increased by $86 million or about 11 percent, while the increase in research, development, and R. & D. plant together amounted to only $50 million or 4 percent. The two growth rates represent a continuation of a trend toward increased emphasis on science education and institutional development programs.

- Federal obligations to universities and colleges for research, development, and R. & D. plant totaled $1,439 million in 1967. Research and development, although growing steadily to a level of $1,324 million between 1963 and 1967, show signs of leveling off. R. & D. plant has remained relatively stable, fluctuating between $101 million and $126 million during this period.

- Between 1964 and 1967, support for nonscience activities grew from $96 million to $987 million. As a percent of the total obligations, these nonscience funds rose from 6 to 30 percent.

- The distribution of Federal support to institutions of higher education in the major geographic divisions showed little change from 1966 to 1967. Those in the East North Central division again received the largest geographic portion of Federal funds, with $602 million, or almost one-fifth of the total. By State, relationships were fairly close between the distribution of Federal obligations to the institutions and the populations, degrees awarded, and student enrollments.

- Total Federal support to universities and colleges was more widely dispersed in 1967 than in 1966 and 1963. The 100 institutions receiving the largest amounts accounted for less than 69 percent of the total in 1967, compared to more than 70 percent in 1966 and over 85 percent in 1963. Of the obligations for academic science alone, these institutions received four-fifths in 1967. Institutions ranking from 101 to 200 increased their share of the 1967 academic science funds to 12 percent of the total, from 11 percent in 1966.

- Federal obligations to 631 2-year institutions amounted to more than $117 million in 1967. Academic science programs, primarily science education activities, accounted for 20 percent of these funds; the remaining 80 percent was obligated for vocational education programs, construction of new facilities, and other nonscience activities. Federal support to Federally Funded Research and Development Centers associated with universities and colleges decreased by $10 million between 1966 and 1967 to $908 million.

- The Department of Health, Education, and Welfare continued to account for two-thirds—$2,231 million in 1967—of total Federal support to universities and colleges. More than 95 percent of the HEW total was provided by the Public Health Service and the Office of Education, with obligations of $1,109 million and $1,019 million, respectively. For the other one-third, the seven remaining agencies accounted for $1,080 million in support to universities and colleges. More than 60 percent of non-HEW outlays came from two agencies—the National Science Foundation and the Department of Defense—throughout the 1963–67 period.

I. Introduction

Background

This report is the third in a series prepared for the Federal Council for Science and Technology's Committee on Academic Science and Engineering (CASE). Data contained in the report cover Federal fiscal years 1963–67 (ending June 30 of the designated years). Definitions of terms used in this report and technical notes are contained in appendix A.

The establishment of the CASE data-collection system followed a 1965 Presidential directive to the heads of Federal departments and agencies instructing them to encourage the maintenance of outstanding quality in science and science education at universities and colleges, to provide funds for existing science programs, and to continue and increase Federal support for science at potentially strong institutions. To assist in the formulation of programs that would implement the policies outlined in the Presidential directive, the Committee called for a Government-wide reporting system to collect data on federally supported academic science and engineering.

Eight Federal agencies supplied the data contained in this report on Federal obligations for research and development, R. & D. plant or facilities, other science activities, and nonscience activities at U.S. universities and colleges and the Federally Funded Research and Development Centers (FFRDC's) managed by academic institutions. Data covering fiscal years 1963–66 update those contained in previous reports in the current series.[1]

The collection of 1968 data on Federal funds obligated to universities and colleges will include five additional agencies: Office of Economic Opportunity, Agency for International Development, and the Departments of Housing and Urban Development, Labor, and Transportation. The addition of these agencies will enable the CASE reporting system to account for more than 99 percent (instead of the 95 percent here) of all Federal support to universities and colleges.

CASE is currently undertaking a more comprehensive data-collection system that will obtain information on the individual Federal projects in academic science. Obligations for each project will be classified according to categories that, when aggregated, will allow a more detailed analysis of Federal support for academic science. Information on Federal obligations for academic science will be supplemented by data on the utilization of manpower in Federal projects at institutions of higher education that receive Federal support for academic science.

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[1] National Science Foundation, *Federal Support to Universities and Colleges, Fiscal Years 1963–66* (NSF 67–14) (Washington, D.C. 20402, Supt. of Documents, U.S. Government Printing Office), 1967; and *Federal Support for Academic Science and Other Educational Activities in Universities and Colleges, Fiscal Year 1965* (NSF 66–30) (Washington, D.C. 20550), 1966. See also "Relation to Previous Reports" at end of this chapter.

Scope and Limitations of Data

The data for this study were provided by the following agencies, accounting for more than 95 percent of all direct Federal obligations to universities and colleges:

Department of Agriculture
Atomic Energy Commission
Department of Commerce
Department of Defense
Department of Health, Education, and Welfare
Department of the Interior
National Aeronautics and Space Administration
National Science Foundation

These agencies reported the amounts they obligated to individual institutions of higher education and related FFRDC's according to four categories: research and development, R. & D. plant, other scientific activities, and nonscience activities. This report shows details of the funds obligated to some 2,100 universities and colleges and 33 FFRDC's. Chapters II through IV discuss Federal obligations to U.S. universities and colleges. Data on the FFRDC's are shown in chapter V. The *Technical Notes* are included in appendix A. Appendix B contains information on total Federal obligations, by agency, for each university, college, or university system that received Federal funds during 1967.

Relation to Prior Reports

Most of the data shown in this report are comparable to those shown in the two preceding reports on Federal support to universities and colleges compiled for CASE. However, a brief analysis has been added to chapter IV of the present report dealing with Federal obligations to 2-year institutions. In addition, a number of changes that affect the data published in earlier reports were as follows:

(1) The Department of Health, Education, and Welfare in 1966 reported that $10,968,000 was awarded to the State University of New York Central System. Since these funds were then redistributed by the SUNY Central System among the SUNY recipient institutions, in this report the data for 1966 show HEW obligations to the SUNY Central System much lower at $933,000 and those to the Downstate and Upstate Medical Centers much higher at $7,032,000 and $3,003,000, respectively.

(2) A number of Baptist institutions were erroneously shown in the preceding CASE report as receiving funds from the Federal Government. Among them, the New Orleans Baptist Theological Seminary was mistakenly reported as receiving $58,000 from the National Science Foundation in fiscal year 1965.

Other institutions—including Samford University, Judson College, and California Baptist College—through an unfortunate combination of circumstances were mistakenly shown as receiving $1,000 in fiscal year 1966 from the Office of Education. The actual payment of money for these three institutions was less than $200 for reimbursement of funds provided by institutions for student loans under title II, Public Law 35–864 of the National Defense Education Act. These funds are not considered direct support to institutions of higher education as defined in this report.

Consistent with statistical reports of this nature, this report shows amounts rounded to the nearest $1,000; awards of $500 or less are shown as $1,000 in order to insure that the total number of institutions that receive Federal funds are included. With respect to CASE totals, the rounding error is statistically insignificant. However, for individual institutions that receive small amounts, the rounding error can become significant and is misleading if examined from an accounting perspective. It was not anticipated at the time the reporting instructions were formulated that the rounding error for small amounts would be a source of concern or embarrassment to some institutions.

(3) An Interagency Task Force on Federally Funded Research and Development Centers, established to review the criteria for classification of FFRDC's in statistical surveys, made several changes. The agreements reached by this task force are reviewed in chapter V and the *Technical Notes* (appendix A). Generally, however, the new criteria caused several changes in the composition of the FFRDC universe. For example, the Apollo Guidance Project at the Massachusetts Institute of Technology, classified as an FFRDC in earlier CASE reports, is now included as part of MIT. Also, the Naval Arctic Research Laboratory at the University of Alaska and the

Navy Biological Laboratory at the University of California have been reclassified from FFRDC's to parts of the parent institutions. One center administered by a university consortium was added to the list of FFRDC's: Cerro Tololo Inter-American Observatory administered by the Association of Universities for Research in Astronomy, Inc. Nine OE-financed university centers that conduct research dealing primarily with the educational process were added to the FFRDC list. And NASA added one more university center, for a total of two.

(4) As a result of a reorganization, obligations to universities and colleges by the National Institute of Mental Health are included as part of the "other" Public Health Service in the tabular data for fiscal year 1967. Before 1967, the National Institute of Mental Health was part of the National Institutes of Health.

(5) Funds awarded to the central office of the City University of New York have been incorporated into a single report, identified in the tabulations as "City University of New York Central System." Before, these funds were split between two groupings: City University of New York, all institutions, and City University of New York programs.

(6) In the NSF portion, four programs were reclassified among various categories of academic science support so that the CASE data would be compatible with those published in *Federal Funds for Research, Development, and Other Scientific Activities.*[2] Reporting of funds for two NSF programs—Specialized Engineering Research Facilities and Chemistry Research Instruments—were reclassified from research and development to R. & D. plant. The other two programs—Research Participation for College Teachers and Undergraduate Research Participation—were moved from research and development to "other" scientific activities.

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[2] National Science Foundation, *Federal Funds for Research, Development, and Other Scientific Activities, Fiscal Years 1966, 1967, and 1968*, vol. XVI, NSF 67-19. Washington, D.C. 20402: Supt. of Documents, U.S. Government Printing Office, 1968.

II. Trends in Federal Support

Total Federal Obligations, 1963–67

Over the 1963–67 period, Federal support for all types of higher educational activities has increased by several hundred million dollars each year, from $1,413 million in 1963 to $3,311 million in 1967 (chart 1). Annual rates of growth varied sharply, however. For example, increases in 1965 and 1966 were 42 percent and 32 percent, respectively; but in 1967 the increase slowed to 9 percent (table 1). The rise in Federal support between 1964 and 1966 can be attributed to the opening of new channels of support during this period. Among these were the Higher Education Facilities Act of 1963, the Higher Education Act of 1965, and other programs specifically designed to strengthen developing institutions of higher education.

Agency Patterns of Support

Among the six agencies providing more than $100 million to academic institutions in 1967, the Department of Health, Education, and Welfare continued to experience the highest growth, both absolutely and relatively. An increase of $279 million (14 percent) in 1967 brought HEW's total to $2,231 million, a level more than 5½ times that of the second-ranking agency, the National Science Foundation (table 2). While HEW was increasing outlays to aid higher education in 1967, the Department of Defense and the National Aeronautics and Space Administration were reducing theirs by $37 million and $11 million, respectively. These reductions represented decreases of more than 12 percent for DOD and almost 8 percent for NASA. The Department of Agriculture, the Atomic Energy Commission, and NSF posted 1967 gains of $4 million, $13 million, and $20 million, respectively.

It should be noted that, within HEW, the apparent shift in the distribution of support between the National Institutes of Health and "other" Public Health Service (OPHS) in 1967 was due to a Public Health Service reorganization that transferred the National Institute of Mental Health from NIH to OPHS. This accounted for $122 million of the $199 million increase in OPHS obligations between 1966 and 1967.

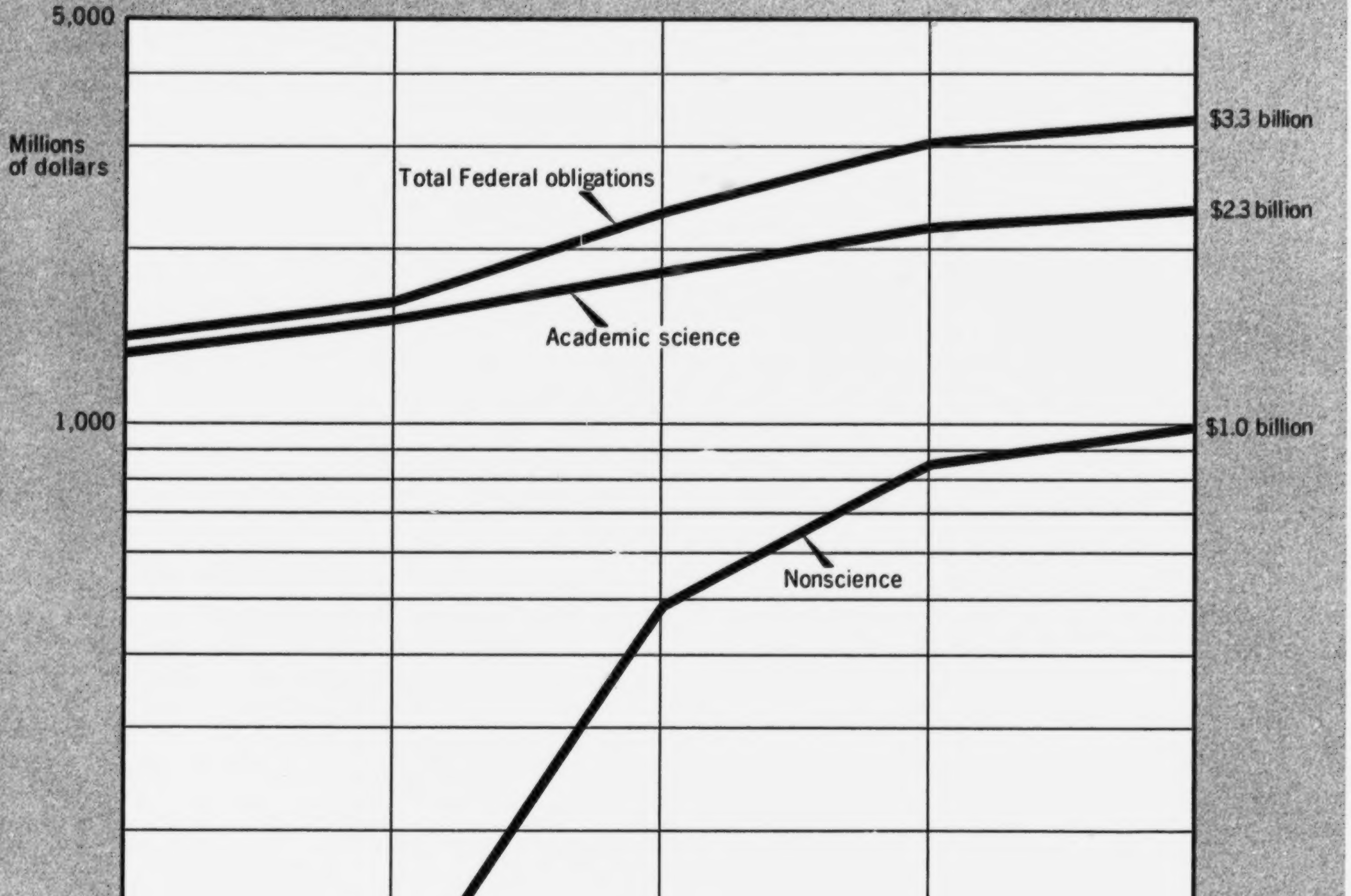
HEW in 1967 ranked first in every category of support except R. & D. plant, where it was second to NSF. The emergence of HEW as the primary Federal source of university and college support has been due primarily to the expansion of activities of PHS in health fields and of OE in higher education. These major areas of mutual interest to HEW and institutions of higher education have accounted for sizable commitments of funds for medical and health-related research, student aid and training, and construction of undergraduate and graduate facilities.

TABLE 1.—*Federal obligations to universities and colleges, by type of program, 1963–67*

[Dollar amounts in millions]

Fiscal year	Total obligations		Academic science obligations								Nonscience activities	
			Total		Research and development		R. & D. plant		Other			
	Amount	Percent change from previous year	Amount	Percent of total obligations	Amount	Percent of total obligations	Amount	Percent of total obligations	Amount	Percent of total obligations	Amount	Percent of total obligations
1963	$1,413.0	....	$1,328.5	94.02	$829.5	58.71	$105.9	7.49	$393.1	27.82	$84.5	5.98
1964	1,625.0	+15.00	1,528.6	94.07	975.6	60.04	100.8	6.21	452.2	27.83	96.4	5.93
1965	2,305.5	+41.88	1,816.2	78.78	1,095.0	47.49	126.2	5.47	595.0	25.81	489.3	21.22
1966	3,033.5	+31.58	2,187.0	72.10	1,275.7	42.05	114.8	3.78	796.6	26.26	846.4	27.90
1967	3,311.1	+9.15	2,323.8	70.18	1,324.1	39.99	116.7	3.52	883.0	26.67	987.3	29.82

Chart 1
Federal obligations to universities and colleges, by type of program, 1963 - 67



Source: National Science Foundation

TABLE 2.—*Federal obligations to universities and colleges, by agency and type of program, 1963–67*

[Millions of dollars]

Federal agency	Total obligations					Academic science obligations					Nonscience activities				
	1963	1964	1965	1966	1967	1963	1964	1965	1966	1967	1963	1964	1965	1966	1967
Total	$1,413.0	$1,625.0	$2,305.5	$3,033.5	$3,311.1	$1,328.5	$1,528.6	$1,816.2	$2,187.0	$2,323.8	$84.5	$96.4	$489.3	$846.4	$987.3
Department of Agriculture	104.0	115.0	135.6	141.0	144.8	104.0	115.0	135.6	141.0	144.8	-------	-------	(a)	(a)	(a)
Atomic Energy Commission	76.1	79.9	84.4	96.9	109.6	76.1	79.9	84.4	96.9	109.6	-------	-------	-------	-------	-------
Department of Commerce	1.8	1.7	2.6	2.8	7.9	1.8	1.7	2.6	2.8	4.4	-------	-------	-------	-------	3.5
Department of Defense	218.0	256.1	267.9	301.5	264.1	218.0	256.1	267.9	301.5	264.1	-------	-------	-------	-------	-------
Department of the Army	44.7	54.6	60.6	90.9	55.4	44.7	54.6	60.6	90.9	55.4	-------	-------	-------	-------	-------
Department of the Navy	67.5	76.8	81.3	90.4	81.3	67.5	76.8	81.3	90.4	81.3	-------	-------	-------	-------	-------
Department of the Air Force	81.6	98.3	99.7	95.6	105.6	81.6	98.3	99.7	95.6	105.6	-------	-------	-------	-------	-------
Other Defense Agencies	24.2	26.3	26.3	24.7	21.7	24.2	26.3	26.3	24.7	21.7	-------	-------	-------	-------	-------
Department of Health, Education, and Welfare	665.3	780.0	1,345.6	1,952.2	2,231.2	581.0	683.8	856.5	1,109.2	1,251.0	84.3	96.2	489.1	843.1	980.2
Public Health Service	566.7	654.7	818.1	940.3	1,109.1	544.6	634.1	711.5	803.5	894.3	22.2	20.6	106.6	136.8	214.8
National Institutes of Health	518.0	589.7	658.4	728.4	698.8	504.6	575.0	645.7	713.9	696.2	13.5	14.7	12.8	14.5	2.6
Other Public Health Service	48.8	65.0	159.7	211.9	410.3	40.1	59.1	65.8	89.6	198.1	8.7	6.0	93.8	122.3	212.2
Office of Education	67.3	81.7	470.9	941.5	1,019.1	26.6	31.4	120.5	270.8	295.7	40.7	50.3	350.3	670.7	723.4
Other HEW	31.3	43.5	56.6	70.4	103.0	9.9	18.3	24.5	34.8	61.0	21.4	25.2	32.2	35.6	42.0
Department of the Interior	4.0	5.3	9.7	22.4	27.4	3.8	5.1	9.6	19.1	23.9	.2	.2	.1	3.4	3.5
National Aeronautics and Space Administration	87.4	109.6	134.3	142.2	131.5	87.4	109.6	134.3	142.2	131.5	-------	-------	-------	-------	-------
National Science Foundation	256.3	277.5	325.2	374.5	394.5	256.3	277.5	325.2	374.5	394.5	-------	-------	-------	-------	-------

[a] Less than $50,000.

Categories of Support

The CASE reports cover Federal obligations in three categories of academic science—research and development, R. & D. plant, and other science activities—and in nonscience activities at universities and colleges. Both "other science" and nonscience activities are largely those connected with education. The obligations for academic science accounted for 70 percent of the total in 1967.

In 1967 the R. & D. portion (excluding plant), reached $1,324 million (table 3). Although research and development continued to rank first among the four categories in 1967 (40 percent of the total), the $48 million R. & D. increase in 1967 was the smallest in the 1963–67 period. In relative terms this represented a slowdown in growth from an average annual rise of 15 percent in the 1963–66 period to 4 percent in 1967.

Agencies commit their higher education funds to research and development in widely varying degrees, depending upon the character of programs required to carry out the agency's objectives (table 3). For example, OE allocates 3 percent of its higher education budget to research and development, while DOD, NASA, AEC, and the Department of the Interior classify more than 80 percent as research and development. The missions of the latter four agencies require far greater commitment to research than does that of OE, whose principal programs, such as financing the construction of undergraduate facilities, are outside the sphere of academic science.

The rapid growth in OE's higher educational programs has caused much of the sharp decline in R. & D. outlays as a proportion of the Federal total of funds going to academic institutions. With OE data, the R. & D. portion declined from 60 percent in 1964 to 40 percent in 1967. Without OE data, the R. & D. ratios would have declined only 6 percentage points, from 62 percent in 1964 to 56 percent in 1967.

Within academic science, the "other science activities" group is the only component that increased its share of total Federal obligations over the 1963–67 period. To illustrate this trend in academic science activities, average annual growth rates between 1963 and 1967 were: research and development, 12 percent; R. & D. plant, 2 percent; and "other science activities," 22 percent. Thus, these other science activities maintained a growth rate nearly twice that of research and development between 1963 and 1967. In line with the 1965 Presidential directive to the Federal agencies to broaden and strengthen the institutional and geographical distribution of funds to universities and colleges, the agencies have emphasized programs designed to foster institutional development wherever potentially strong institutions exist. The magnitude of newly implemented programs created for this purpose is one of the biggest single factors in the rapid growth of this other science category.

Among the agencies, only NASA significantly curtailed programs classified under the other academic science category. This was due to general budget cutbacks in many of its programs, including the Sustaining Universities Program for institutional development, which is largely in the "other science" classification.

The academic science component reached a peak of 94 percent of total Federal support to the institutions in 1964; but from that point on, funds for nonscience programs[1] grew from 6 percent ($96 million) of the total in 1964 to 30 percent ($987 million) in 1967 (chart 1). In terms of Federal program size, nonscience activities moved past R. & D. plant in 1965 and "other science" activities in 1966 and was still gaining rapidly on the leading category of support—research and development—at the end of the period. The ratio of nonscience funds to R. & D. funds rose from 10 percent in 1964 to 75 percent in 1967.

The major contributor to nonscience activities is the Office of Education. Of the $987 million for nonscience in 1967, $723 million were reported by OE. The pattern of growth in nonscience support since 1964 has closely paralleled growth of total OE spending for higher education. Much of the increase in these obligations has been due to the implementation of the provisions in the Higher Education Facilities Act of 1963, which assigns to OE responsibility for aiding in the construction of new undergraduate and graduate facilities. Under the CASE reporting system, most of these funds for undergraduate facilities were classified under nonscience activities.

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[1] For the definition of nonscience programs, see *Technical Notes*, page 49.

TABLE 3.—*Academic science obligations to universities and colleges, by Federal agency and type of program, 1963–67*

[Millions of dollars]

Federal agency	Research and development					R. & D. plant					Other				
	1963	1964	1965	1966	1967	1963	1964	1965	1966	1967	1963	1964	1965	1966	1967
Total	$829.5	$975.6	$1,095.0	$1,275.7	$1,324.1	$105.9	$100.8	$126.2	$114.8	$116.7	$393.1	$452.2	$595.0	$796.6	$883.0
Department of Agriculture	40.6	47.5	59.1	62.9	64.0	----------	----------	3.2	2.0	2.0	63.4	67.5	73.3	76.1	78.8
Atomic Energy Commission	68.3	70.5	74.8	83.2	89.7	2.6	4.0	3.8	7.4	13.8	5.3	5.4	5.9	6.3	6.2
Department of Commerce	1.5	1.1	2.1	2.1	3.4	----------	----------	----------	----------	.3	.3	.6	.6	.7	.7
Department of Defense	218.0	256.1	267.9	301.5	264.1	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------
Department of the Army	44.7	54.6	60.6	90.9	55.4	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------
Department of the Navy	67.5	76.8	81.3	90.4	81.3	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------
Department of the Air Force	81.6	98.3	99.7	95.6	105.6	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------
Other Defense Agencies	24.2	26.3	26.3	24.7	21.7	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------
Department of Health, Education, and Welfare	332.9	399.2	441.9	507.3	577.0	39.2	39.9	54.8	48.5	38.1	208.9	244.6	359.8	553.3	635.9
Public Health Service	316.4	374.3	405.9	463.4	521.8	39.2	39.4	54.8	48.5	34.7	189.0	220.3	250.8	291.6	337.8
National Institutes of Health	297.8	343.5	373.3	418.1	443.2	39.2	39.4	54.8	48.5	34.7	167.4	192.0	217.6	247.3	218.4
Other Public Health Service	18.6	30.8	32.6	45.3	78.7	----------	----------	----------	----------	----------	21.5	28.3	33.2	44.3	119.4
Office of Education	10.9	14.7	24.0	27.5	33.8	----------	.5	----------	----------	3.5	15.7	16.2	96.5	243.4	258.4
Other HEW	5.7	10.2	12.0	16.5	21.3	----------	----------	----------	----------	----------	4.2	8.1	12.5	18.4	39.7
Department of the Interior	3.8	5.0	9.5	18.7	23.9	.1	----------	(1)	.2	----------	(1)	(1)	(1)	.2	(a)
National Aeronautics and Space Administration	59.8	80.3	100.6	107.4	109.0	13.4	9.1	8.4	7.4	5.0	14.1	20.2	25.4	27.3	17.4
National Science Foundation	104.6	115.8	139.2	192.5	193.1	50.6	47.8	56.0	49.3	57.5	101.1	113.9	130.1	132.7	144.0

[a] Less than $50,000.

III. Geographic Distribution of Federal Support

Distribution by Geographic Division and State

The geographic distribution of Federal funds to universities and colleges reflected the overall lower rate of increase in 1967. As shown in table 4, during 1963–66, total Federal obligations to these institutions increased each year at an average rate of 29 percent. From 1966 to 1967, however, the increase apparently was leveling off at 9 percent.

This same slowdown was felt in the various geographic divisions, although the rates varied widely. For example, during 1963–66, the average annual growth rates ranged from 19 percent (New England) to 43 percent (East South Central division), and from 1966 to 1967 the increases ranged from 1 percent (Pacific division) to 18 percent (East South Central) and 22 percent (Puerto Rico, the Virgin Islands, and Guam). As part of the slowdown, 14 States and the District of Columbia received smaller amounts of this Federal support in 1967 than in 1966. (See table 5.)

Academic science obligations followed a similar trend. Although the average annual growth rate of the Federal total of these funds was 18 percent from 1963 through 1966, the increase from 1966 to 1967 was 6 percent, representing a rise from $2,187 million to $2,323 million. All except one of the geographic divisions received more Federal support for academic science in 1967 than in 1966. The East South Central, South Atlantic, and West North Central divisions were well over the national average, with increases of 20 percent, 12 percent, and 9 percent, respectively. Smaller amounts were received in 1967 than in 1966 by 14 States and Puerto Rico, Guam, and the Virgin Islands.

The slowdown in spending was especially evident in Federal support for nonscience activities. Here, the funds more than doubled each year between 1963 and 1966 in all but one of the geographic divisions, but between 1966 and 1967 the percentage changes were much lower. In the nine principal divisions (50 States), they ranged from 36 percent more to 4 percent less; in Puerto Rico, the Virgin Islands, and Guam it was 75 percent more, for relatively small amounts. Over the longer period, nonscience support greatly

TABLE 4.—*Average annual growth rates, 1963–66, and percent changes, 1966–67, of Federal obligations to universities and colleges, by geographic division and type of program*

Geographic division	Total obligations		Academic science obligations		Nonscience activities	
	Average annual growth rate, 1963–66 (percent)	Percent change 1966–67	Average annual growth rate, 1963–66 (percent)	Percent change 1966–67	Average annual growth rate, 1963–66 (percent)	Percent change 1966–67
United States, total	29.0	9.2	18.1	6.3	115.6	16.6
New England	19.4	9.1	12.3	8.3	126.4	12.4
Middle Atlantic	24.8	9.2	16.5	6.3	103.2	19.0
East North Central	28.8	7.4	17.7	2.7	137.1	19.9
West North Central	31.3	4.7	17.3	9.0	116.8	−3.6
South Atlantic	32.2	16.5	19.8	11.9	87.8	25.3
East South Central	42.8	18.0	22.0	20.2	132.3	15.2
West South Central	35.0	11.8	22.1	7.6	124.1	21.3
Mountain	32.2	14.7	20.2	5.8	119.5	35.5
Pacific	30.5	1.0	20.9	.2	135.3	3.4
Puerto Rico, Virgin Islands, and Guam [a]	38.9	21.7	24.6	−6.4	115.5	75.1

[a] Small fraction of the U.S. total.

TABLE 5.—*Federal obligations to universities and colleges, by geographic division, State, and type of program, 1963, 1966, and 1967*

[Thousands of dollars]

Divisions and States	Total obligations			Academic science obligations			Nonscience activities		
	1963	1966	1967	1963	1966	1967	1963	1966	1967
United States, total	$1,413,015	$3,033,467	$3,311,070	$1,328,511	$2,187,021	$2,323,795	$84,504	$846,446	$987,275
New England	180,234	306,634	334,401	175,144	247,764	268,245	5,090	58,870	66,156
Maine	2,276	7,406	6,388	1,998	3,777	3,346	278	3,629	3,042
New Hampshire	6,436	11,831	10,672	5,854	8,964	7,572	582	2,867	3,100
Vermont	4,266	7,742	7,900	3,875	5,539	5,633	391	2,203	2,267
Massachusetts	129,698	202,730	229,902	127,069	167,856	197,792	2,629	34,874	32,110
Rhode Island	10,856	24,810	16,613	10,362	18,750	12,657	494	6,060	3,956
Connecticut	26,702	52,115	62,926	25,986	42,878	41,245	716	9,237	21,681
Middle Atlantic	271,498	528,296	577,082	256,881	405,745	431,275	14,617	122,551	145,807
New York	170,219	311,114	339,734	162,322	251,268	269,471	7,897	59,846	70,263
New Jersey	27,378	54,589	64,506	26,090	38,699	41,605	1,288	15,890	22,901
Pennsylvania	73,901	162,593	172,842	68,469	115,778	120,199	5,432	46,815	52,643
East North Central	262,495	560,980	602,337	251,019	409,137	420,290	11,476	151,843	182,047
Ohio	44,120	117,198	112,098	42,082	84,467	72,416	2,038	32,731	39,682
Indiana	28,715	72,768	84,893	26,862	47,433	58,667	1,853	25,335	26,226
Illinois	90,405	176,849	172,843	87,224	134,112	128,238	3,181	42,737	44,605
Michigan	68,356	128,789	150,828	65,749	97,916	101,552	2,607	30,873	49,276
Wisconsin	30,899	65,376	81,675	29,102	45,209	59,417	1,797	20,167	22,258
West North Central	106,488	241,084	252,494	98,405	158,768	173,112	8,083	82,316	79,382
Minnesota	32,580	57,186	62,781	30,428	42,331	45,836	2,152	14,855	16,945
Iowa	19,773	37,370	42,942	18,705	26,810	29,445	1,068	10,560	13,497
Missouri	27,748	73,323	71,453	25,954	49,193	50,665	1,794	24,130	20,788
North Dakota	3,629	7,327	8,241	3,248	4,433	4,863	381	2,904	3,378
South Dakota	3,137	8,562	9,656	2,797	5,351	5,457	340	3,211	4,199
Nebraska	6,543	24,545	19,339	5,708	10,478	12,010	835	14,067	7,329
Kansas	13,078	32,761	38,082	11,565	20,172	24,836	1,513	12,589	13,246
South Atlantic	172,119	397,310	462,804	151,496	260,716	291,649	20,623	136,594	171,155
Delaware	2,601	5,339	4,103	2,302	4,083	2,734	299	1,256	1,369
Maryland	38,486	62,946	82,683	37,530	53,865	64,245	956	9,081	18,438
District of Columbia	27,947	58,156	54,666	14,784	24,435	26,179	13,163	33,721	28,487
Virginia	16,176	37,469	42,408	15,119	23,656	25,897	1,057	13,813	16,511
West Virginia	5,152	16,005	19,792	4,532	8,536	10,836	620	7,469	8,956
North Carolina	32,998	85,453	106,493	31,696	61,043	73,638	1,302	24,410	32,855
South Carolina	5,535	17,030	26,929	5,072	9,077	10,971	463	7,953	15,958
Georgia	19,254	47,073	52,718	17,875	29,549	31,803	1,379	17,524	20,915
Florida	23,970	67,839	73,012	22,586	46,472	45,346	1,384	21,367	27,666
East South Central	52,717	153,644	181,238	47,288	85,946	103,275	5,429	67,698	77,963
Kentucky	10,504	43,668	43,264	9,354	24,207	20,016	1,150	19,461	23,248
Tennessee	21,414	52,210	56,780	19,589	31,593	40,011	1,825	20,617	16,769
Alabama	11,917	34,692	56,343	10,909	17,645	29,725	1,008	17,047	26,618
Mississippi	8,882	23,074	24,851	7,436	12,501	13,523	1,446	10,573	11,328
West South Central	86,367	212,267	237,374	80,513	146,520	157,653	5,854	65,747	79,721
Arkansas	6,411	19,372	18,430	5,937	9,515	10,805	474	9,857	7,625
Louisiana	19,706	47,054	48,653	18,673	34,231	31,453	1,033	12,823	17,200
Oklahoma	16,106	28,929	33,219	15,100	16,716	19,056	1,006	12,213	14,163
Texas	44,144	116,912	137,072	40,803	86,058	96,339	3,341	30,854	40,733
Mountain	62,601	144,781	166,088	58,502	101,507	107,435	4,099	43,274	58,653
Montana	3,099	9,183	10,208	2,854	4,897	5,691	245	4,286	4,517
Idaho	1,921	5,993	5,907	1,760	3,294	3,066	161	2,699	2,841
Wyoming	1,703	4,611	7,087	1,424	3,448	3,988	279	1,163	3,099
Colorado	22,022	45,773	52,222	21,094	35,619	41,285	928	10,154	10,937
New Mexico	8,606	17,689	19,355	8,054	13,208	13,832	552	4,481	5,523
Arizona	9,334	29,586	36,785	8,504	18,772	13,920	830	10,814	22,865
Utah	14,399	27,360	29,610	13,612	19,146	22,523	787	8,214	7,087
Nevada	1,517	4,586	4,914	1,200	3,123	3,130	317	1,463	1,784

TABLE 5.—*Federal obligations to universities and colleges, by geographic division, State, and type of program, 1963, 1966, and 1967*—Continued

[Thousands of dollars]

Divisions and States	Total obligations			Academic science obligations			Nonscience activities		
	1963	1966	1967	1963	1966	1967	1963	1966	1967
Pacific	$211,237	$469,023	$473,593	$202,673	$358,159	$358,914	$8,564	$110,864	$114,679
Washington	28,249	53,950	63,115	27,176	41,831	48,517	1,073	12,119	14,598
Oregon	17,248	39,366	45,445	16,119	26,125	28,058	1,129	13,241	17,387
California	158,230	348,172	341,993	152,635	270,971	263,859	5,595	77,201	78,134
Alaska	3,519	8,835	6,184	3,216	6,374	5,224	303	2,461	960
Hawaii	3,991	18,700	16,856	3,527	12,858	13,256	464	5,842	3,600
Puerto Rico, Virgin Islands, and Guam	7,259	19,448	23,659	6,590	12,759	11,947	669	6,689	11,712

increased in importance from 1963, when it represented only 6 percent of total Federal obligations to universities and colleges, to 1967, when it was 30 percent. This shift was reflected in every State. In 14 States, the District of Columbia, and Puerto Rico, Virgin Islands, and Guam, nonscience activities made up more than 40 percent of their total Federal support in 1967. Arizona had the highest percentage of nonscience funds in 1967—62 percent of its total, compared to 10 percent in 1963. Generally the States with less-known, developing institutions show heaviest dependence on nonscience support for construction of new undergraduate and graduate facilities.

The institutions in the East North Central division remained in the lead in receipt of Federal support, with $602 million or 18 percent of the 1967 total. Although a larger amount than in the preceding year, this represents a slight decrease in the relative share (from 18.5 percent in 1966), partly explained by a $19 million reduction in funds from the Department of Defense to institutions in these States. However, the DOD decrease was largely offset by an increase of nearly $17 million from the National Science Foundation. (See table 6.) Two-thirds (almost $400 million) of the total funds to institutions in the East North Central was obligated by the Department of Health, Education, and Welfare, which had accounted for somewhat less than one-half of this division's obligations in 1963. DOD obligations accounted for 8 percent of the total for the East North Central division, compared to 12 percent in 1966 and 18 percent in 1963.

Although the Pacific division received less support for its universities and colleges from five of the eight Federal agencies in 1967, it remained the third-largest recipient. It was awarded $474 million, up from $469 million in 1966 and $211 million in 1963. This decreasing growth rate can be explained by the extensive development of academic institutions already achieved in these States in recent years. Each of the eight Federal agencies provided a smaller percentage of its total obligations to institutions in this division in 1967 than in 1966.

In general, the geographic concentration has remained at about the same level in 1967 as in 1966, but the dispersion of funds was wider than in 1963 (chart 2). The proportions of the total declined in the Middle Atlantic, Pacific, East North Central, and New England States but gained in the low-ranking divisions—West North Central, East South Central, West South Central, and Mountain.

The institutions in all divisions except New England received more than twice as much Federal support in 1967 as in 1963. The amounts more than tripled in the East South Central division, from $53 million in 1963 to $181 million in 1967, and in Puerto Rico, the Virgin Islands, and Guam, from $7 million to $24 million. Federal support increased more than 2½ times in the West South Central States, from $86 million to $237 million, and in the Mountain States, from $63 million to $166 million.

Institutions in all the geographic divisions relied much more heavily on support from HEW in 1967 than in the earlier years. This agency furnished at least two-thirds of total support in each geographic division except New England.

Among the Federal agencies obligating large sums to universities and colleges each year, the Public Health Service within HEW was the only one in 1967 to keep pace with its average annual rate of increase during 1963–66—18 percent

TABLE 6.—*Total Federal obligations to universities and colleges, by geographic division, State, and agency, 1963, 1966, and 1967*

[Thousands of dollars]

Division, State, and year	Total, all agencies	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation
UNITED STATES TOTAL:									
1963	$1,413,015	$104,049	$76,116	$1,831	$218,036	$665,307	$3,979	$87,357	$256,340
1966	3,033,467	140,964	96,873	2,789	301,533	1,952,221	22,428	142,175	374,484
1967	3,311,070	144,818	109,624	7,923	264,102	2,231,163	27,429	131,464	394,547
NEW ENGLAND:									
1963	180,234	4,360	8,735	28	44,691	71,673	299	20,787	29,661
1966	306,634	6,461	10,614	252	56,416	161,742	1,219	30,813	39,117
1967	334,401	6,349	11,073	327	64,943	174,763	1,781	33,255	41,910
Maine:									
1963	2,276	909	43			544		205	575
1966	7,406	1,275	74		11	4,996	168	169	713
1967	6,388	1,323	23	61		3,923	181	57	820
New Hampshire:									
1963	6,436	603	199		846	2,445		220	2,123
1966	11,831	919	85		764	6,442	130	1,191	2,300
1967	10,672	882	82		501	6,297	134	1,199	1,577
Vermont:									
1963	4,266	649	25		234	2,778		49	531
1966	7,742	875		10	147	5,439	90	246	935
1967	7,900	923	44	28	153	5,853	88	205	606
Massachusetts:									
1963	129,698	1,128	4,983	28	37,744	48,270	299	18,829	18,417
1966	202,730	1,460	5,961	207	47,973	96,893	523	27,381	22,332
1967	229,902	1,646	5,919	176	58,458	104,462	910	30,158	28,173
Rhode Island:									
1963	10,856	455	503		3,920	3,275		104	2,599
1966	24,810	640	675		5,575	12,437	191	632	4,660
1967	16,613	666	682	1	3,013	8,742	175	482	2,852
Connecticut:									
1963	26,702	616	2,982		1,947	14,361		1,380	5,416
1966	52,115	1,292	3,819	35	1,946	35,535	117	1,194	8,177
1967	62,926	909	4,323	61	2,818	45,486	293	1,154	7,882
MIDDLE ATLANTIC:									
1963	271,498	7,520	18,251	153	48,566	133,888	138	14,548	48,434
1966	528,296	10,827	20,612	131	63,103	346,812	2,409	18,012	66,390
1967	577,082	10,883	25,396	1,039	49,502	394,932	3,138	15,330	76,862
New York:									
1963	170,219	2,940	13,595	5	33,409	85,328	106	6,627	28,209
1966	311,114	4,270	15,526	79	39,593	204,504	1,657	8,324	37,161
1967	339,734	4,497	19,819	631	31,163	231,881	1,809	6,406	43,528
New Jersey:									
1963	27,378	1,115	1,556		5,039	8,371	25	3,987	7,285
1966	54,589	1,557	1,381	30	5,234	29,254	201	4,292	12,640
1967	64,506	1,504	1,911	91	6,371	37,865	418	5,682	10,664
Pennsylvania:									
1963	73,901	3,465	3,100	148	10,118	40,189	7	3,934	12,940
1966	162,593	5,000	3,705	22	18,276	113,054	551	5,396	16,589
1967	172,842	4,882	3,666	317	11,968	125,186	911	3,242	22,670
EAST NORTH CENTRAL:									
1963	262,495	15,399	18,205	893	46,856	114,824	148	13,673	52,497
1966	560,980	20,978	22,975	564	65,409	358,072	3,189	20,957	68,836
1967	602,337	21,492	25,152	1,967	46,047	399,558	4,088	18,676	85,357
Ohio:									
1963	44,120	3,538	1,960		9,366	19,814		1,285	8,157
1966	117,198	4,709	2,072	21	11,271	82,674	498	5,565	10,388
1967	112,098	4,785	2,552	134	9,245	83,857	977	2,200	8,348
Indiana:									
1963	28,715	2,800	2,187		3,603	11,447	10	831	7,837
1966	72,768	4,015	2,921		4,752	44,453	196	2,020	14,411
1967	84,893	4,032	3,116	7	2,951	51,959	334	2,114	20,380

TABLE 6.—*Total Federal obligations to universities and colleges, by geographic division, State, and agency, 1963, 1966, and 1967*—Continued

[Thousands of dollars]

Division, State, and year	Total, all agencies	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation
Illinois:									
1963	$90,405	$3,170	$8,631	$434	$17,268	$36,993	$58	$5,337	$18,514
1966	176,849	4,325	10,437	227	25,029	107,902	557	6,193	22,179
1967	172,843	4,517	10,905	405	18,456	105,908	822	5,150	26,680
Michigan:									
1963	68,356	3,137	3,763	189	15,542	29,586	18	4,900	11,221
1966	128,789	4,260	4,335	194	22,646	76,715	1,178	5,723	13,738
1967	150,828	4,370	5,450	477	14,622	101,963	1,179	4,505	18,262
Wisconsin:									
1963	30,899	2,754	1,664	270	1,077	16,984	62	1,320	6,768
1966	65,376	3,669	3,210	122	1,711	46,328	760	1,456	8,120
1967	81,675	3,788	3,129	944	773	55,871	776	4,707	11,687
WEST NORTH CENTRAL:									
1963	106,488	15,327	3,273	7	6,089	55,319	139	5,898	20,436
1966	241,084	19,260	4,133	60	7,476	175,590	2,183	7,943	24,439
1967	252,494	20,906	4,382	540	7,409	182,928	2,511	9,515	24,303
Minnesota:									
1963	32,580	2,768	1,454	....	3,015	17,598	43	2,619	5,083
1966	57,186	3,587	2,219	....	2,595	39,673	390	3,014	5,708
1967	62,781	3,984	2,397	86	2,504	43,604	344	3,203	6,659
Iowa:									
1963	19,773	3,182	826	3	944	7,965	4	1,700	5,149
1966	37,370	3,782	479	....	1,239	24,637	234	2,650	4,349
1967	42,942	4,098	580	123	1,421	30,089	273	2,343	4,015
Missouri:									
1963	27,748	3,081	263	....	1,483	17,476	27	901	4,517
1966	73,323	3,891	578	39	3,076	57,281	458	1,405	6,595
1967	71,453	4,113	626	169	2,598	57,209	276	1,085	5,377
North Dakota:									
1963	3,629	1,247	27	....	48	1,329	....	....	978
1966	7,337	1,586	23	....	47	4,558	105	96	922
1967	8,241	1,773	47	....	25	5,149	133	99	1,015
South Dakota:									
1963	3,137	1,206	10	....	25	934	38	....	924
1966	8,562	1,643	9	....	11	4,888	585	85	1,341
1967	9,656	1,683	11	27	49	5,637	685	49	1,515
Nebraska:									
1963	6,543	1,738	115	2	12	3,729	5	3	939
1966	24,545	2,305	179	10	160	20,551	117	104	1,119
1967	19,339	2,471	143	73	80	14,519	88	70	1,895
Kansas:									
1963	13,078	2,105	578	2	562	6,288	22	675	2,846
1966	32,761	2,466	646	11	348	24,002	294	589	4,405
1967	38,082	2,784	578	62	732	26,721	712	2,666	3,827
SOUTH ATLANTIC:									
1963	172,119	18,366	6,384	248	19,267	97,085	645	6,267	23,857
1966	397,310	24,842	8,267	382	27,009	275,722	2,641	13,148	45,299
1967	462,804	25,121	9,812	1,058	24,179	343,999	3,125	11,057	44,453
Delaware:									
1963	2,601	529	91	....	371	841	9	148	612
1966	5,339	681	45	....	336	3,214	159	180	724
1967	4,103	752	94	51	334	1,997	88	79	708
Maryland:									
1963	38,486	1,246	1,291	127	6,473	22,259	11	2,059	5,020
1966	62,946	1,629	2,729	122	7,162	42,899	327	2,782	5,296
1967	82,683	1,696	3,178	187	6,745	58,183	316	3,173	9,205
District of Columbia:									
1963	27,947	....	188	....	3,594	21,713	....	1,036	1,416
1966	58,156	21	104	6	5,827	47,609	74	1,418	3,097
1967	54,666	30	241	75	3,875	45,612	73	1,759	3,001
Virginia:									
1963	16,176	2,780	1,281	3	1,431	7,228	138	584	2,731
1966	37,469	3,628	878	1	2,024	25,644	150	1,881	3,263
1967	42,408	3,852	1,024	100	1,092	30,826	198	1,844	3,472

TABLE 6.—*Total Federal obligations to universities and colleges, by geographic division, State, and agency, 1963, 1966, and 1967*—Continued

[Thousands of dollars]

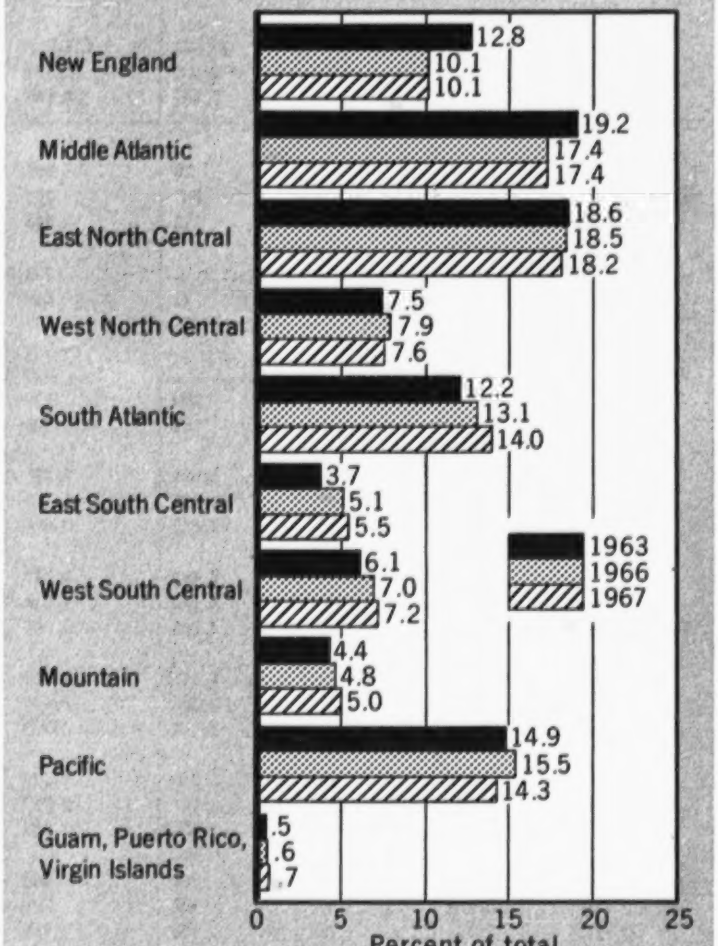
Division, State, and year	Total, all agencies	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation
West Virginia:									
1963	$5,152	$1,829	$57	------	$86	$2,044	$139	$143	$854
1966	16,005	2,320	184	------	65	12,069	171	294	902
1967	19,792	2,396	152	$30	402	15,084	159	212	1,357
North Carolina:									
1963	32,998	4,628	1,023	------	3,089	18,296	57	550	5,355
1966	85,453	6,269	1,692	26	5,779	56,484	396	1,110	13,697
1967	106,493	6,269	2,322	111	4,044	77,072	629	948	15,098
South Carolina:									
1963	5,535	2,459	140	5	243	1,744	------	76	868
1966	17,030	3,116	128	------	254	11,660	401	262	1,209
1967	26,929	3,302	157	37	373	21,388	327	162	1,183
Georgia:									
1963	19,254	3,480	818	10	896	11,121	159	463	2,307
1966	47,073	4,761	696	------	1,667	33,991	387	1,576	3,995
1967	52,718	4,629	843	89	1,753	39,716	418	1,274	3,996
Florida:									
1963	23,970	1,415	1,495	103	3,084	11,839	132	1,208	4,694
1966	67,839	2,417	1,811	227	3,895	42,152	576	3,645	13,116
1967	73,012	2,195	1,801	378	5,561	54,121	917	1,606	6,433
EAST SOUTH CENTRAL:									
1963	52,717	13,269	1,928	------	1,821	27,032	43	2,652	5,972
1966	153,644	18,125	2,227	22	2,343	118,390	691	3,950	7,896
1967	181,238	18,655	2,678	186	2,604	140,376	715	4,328	11,696
Kentucky:									
1963	10,504	3,351	204	------	367	5,338	25	81	1,138
1966	43,668	5,306	118	------	499	35,480	158	653	1,454
1967	43,264	5,481	240	------	440	34,702	116	520	1,765
Tennessee:									
1963	21,414	3,303	1,575	------	716	12,323	12	506	2,979
1966	52,210	4,099	1,984	3	913	40,125	248	1,005	3,833
1967	56,780	4,318	2,303	109	1,125	40,456	230	876	7,363
Alabama:									
1963	11,917	3,250	92	------	303	5,388	5	1,942	937
1966	34,692	4,191	75	19	635	26,314	164	1,812	1,482
1967	56,343	4,298	70	77	743	46,773	210	2,654	1,518
Mississippi:									
1963	8,882	3,365	57	------	435	3,983	1	123	918
1966	23,074	4,529	50	------	296	16,471	121	480	1,127
1967	24,851	4,558	65	------	296	18,445	159	278	1,050
WEST SOUTH CENTRAL:									
1963	86,367	12,554	2,167	11	7,238	45,369	703	4,142	14,183
1966	212,267	16,102	3,736	130	10,203	144,025	1,539	11,541	24,991
1967	237,374	16,517	5,196	834	11,283	170,143	1,923	10,526	20,952
Arkansas:									
1963	6,411	2,619	306	------	23	2,420	12	238	793
1966	19,372	3,569	261	------	86	14,227	166	255	808
1967	18,430	3,540	290	80	67	13,076	159	191	1,027
Louisiana:									
1963	19,706	2,354	261	5	730	13,200	86	422	2,648
1966	47,054	2,905	332	------	986	31,014	155	684	10,978
1967	48,653	2,984	335	50	1,033	39,582	346	769	3,554
Oklahoma:									
1963	16,106	2,358	128	------	1,382	7,265	170	757	4,046
1966	28,929	3,030	227	58	727	20,277	573	1,147	2,890
1967	33,219	2,984	198	351	1,665	23,766	570	811	2,874
Texas:									
1963	44,144	5,223	1,472	6	5,103	22,484	435	2,725	6,696
1966	116,912	6,598	2,916	72	8,404	78,507	645	9,455	10,315
1967	137,072	7,009	4,373	353	8,518	93,719	848	8,755	13,497

TABLE 6.—*Total Federal obligations to universities and colleges, by geographic division, State, and agency, 1963, 1966, and 1967*—Continued

[Thousands of dollars]

Division, State, and year	Total, all agencies	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation
MOUNTAIN:									
1963	$62,601	$7,254	$2,411	$181	$10,105	$21,607	$875	$5,927	$14,241
1966	144,781	10,404	3,225	633	13,403	81,323	3,443	9,536	22,814
1967	166,088	10,270	3,515	1,344	13,303	105,574	4,499	6,637	20,946
Montana:									
1963	3,099	1,060	27	....	81	1,191	79	70	591
1966	9,183	1,465	92	12	21	6,017	394	387	795
1967	10,208	1,457	51	93	247	6,488	341	125	1,406
Idaho:									
1963	1,921	968	9	....	69	382	41	....	452
1966	5,993	1,309	26	....	53	3,744	146	71	644
1967	5,907	1,383	54	....	40	3,786	121	36	487
Wyoming:									
1963	1,703	700	13	....	....	608	60	....	322
1966	4,611	973	77	....	....	1,998	525	209	829
1967	7,087	1,019	113	17	15	4,135	628	131	1,029
Colorado:									
1963	22,022	1,305	730	179	3,597	8,359	102	1,629	6,121
1966	45,773	1,891	1,055	580	7,200	24,761	535	3,126	6,625
1967	52,222	1,822	1,285	955	6,271	31,147	1,046	2,080	7,616
New Mexico:									
1963	8,606	917	55	....	2,139	1,257	5	2,489	1,744
1966	17,689	1,307	150	....	2,957	7,612	252	2,473	2,938
1967	19,355	1,208	130	76	2,264	9,835	374	2,608	2,860
Arizona:									
1963	9,334	902	422	2	977	2,596	238	1,478	2,719
1966	29,586	1,430	560	13	860	16,377	323	2,533	7,490
1967	36,785	1,491	463	77	1,678	27,713	539	1,054	3,770
Utah:									
1963	14,399	883	895	....	3,242	6,833	307	210	2,029
1966	27,360	1,318	1,213	28	2,276	18,500	665	568	2,792
1967	29,610	1,169	1,280	70	2,749	19,915	665	435	3,327
Nevada:									
1963	1,517	519	260	....	....	381	43	51	263
1966	4,586	711	52	....	36	2,314	603	169	701
1967	4,914	721	139	56	39	2,555	785	168	451
PACIFIC:									
1963	211,237	7,521	13,037	310	33,001	95,857	989	13,463	47,059
1966	469,023	10,674	18,822	615	55,915	277,794	5,026	26,230	73,947
1967	473,593	10,729	20,122	580	44,576	302,417	5,561	22,140	67,468
Washington:									
1963	28,249	1,705	1,858	....	1,923	13,771	415	585	7,992
1966	53,950	2,157	3,118	8	2,160	35,830	1,337	793	8,547
1967	63,115	2,378	3,128	77	3,335	42,836	1,583	2,292	7,486
Oregon:									
1963	17,248	1,411	561	....	943	9,766	145	149	4,273
1966	39,366	1,962	898	....	1,399	27,393	911	282	6,521
1967	45,445	1,942	1,202	57	957	33,841	913	550	5,983
California:									
1963	158,230	3,337	10,409	227	28,419	70,402	327	12,386	32,723
1966	348,172	4,886	14,224	414	49,323	200,683	2,335	21,731	54,576
1967	341,993	4,897	14,983	344	37,726	215,425	2,633	17,012	48,973
Alaska:									
1963	3,519	412	40	67	1,334	578	102	225	761
1966	8,835	615	55	127	2,119	2,874	329	946	1,770
1967	6,184	635	202	49	1,636	1,797	282	385	1,198
Hawaii:									
1963	3,991	656	169	16	382	1,340	....	118	1,310
1966	18,700	1,054	527	66	914	11,014	114	2,478	2,533
1967	16,856	877	607	53	922	8,518	150	1,901	3,828
Puerto Rico, Virgin Islands, and Guam:									
1963	7,259	2,479	1,725	....	402	2,653	....	....	....
1966	19,448	3,291	2,262	....	256	12,751	88	45	755
1967	23,659	3,896	2,298	48	256	16,473	88	....	600

Chart 2
Total Federal obligations to universities and colleges, by geographic division, 1963, 1966, and 1967



Source: National Science Foundation

throughout. Its funds in 1967 increased in all geographic divisions but one. PHS support in the Mountain division increased the most in 1967—64 percent—reaching a total of $49 million. The institutions in the Middle Atlantic division remained the largest recipients, with $209 million in 1967.

The decrease in obligations to universities and colleges by either or both DOD and the National Aeronautics and Space Administration was felt in all but two geographic divisions. Among them, the Middle Atlantic, East North Central, and Pacific divisions had Defense cuts of more than 20 percent from 1966 obligations, and NASA decreased funds by more than 15 percent in the South Atlantic, Mountain, and Pacific States.

When considering the geographic distribution of Federal funds to higher education in States, as in table 6, it is important to note that year-to-year changes can be greatly influenced by a few large grants or contracts. They show up only in the year obligated, although spending of the funds may extend over a period of several years. It is helpful to isolate, where possible, these large one-time grants from the recurring types of Federal support in order to avoid misinterpretation of data showing trends in the State distributions of Federal support to academic institutions.

Distribution in Relation to Population and Selected Educational Variables

Comparisons of support of higher education to population and certain educational variables serve as "normalizers" by taking account of the large differences in the areas and populations of geographic divisions and States. The relationships examined in this section include geographic distributions of degrees awarded and rankings of States by population, degrees, enrollments, and Federal obligations for academic science.

In interpreting these relationships, some limitations must be considered. First is the timelag between input of the original investment in higher education and output in earned degrees, particularly at the graduate level. For comparison here, statistics for 1965–66 are the latest complete data available on degrees awarded in the sciences and engineering. A second consideration is that statistics do not reflect differences in the quality of education or differences in the capabilities of university faculties and graduate departments. Third, distortions in the pattern are caused by the "national" character of many academic institutions that draw students from many States, and their graduates disperse across the United States. A somewhat inaccurate picture is presented, therefore, if the benefits of Federal support are related to the particular States in which the institutions are located.

Shifts in the geographic pattern of Federal obligations from 1963 to 1967 were much like those in the number of degrees awarded during a similar period ending in academic year 1965–66 (table 7). The two largest recipients of Federal support—the groups of institutions in the East North Central and Middle Atlantic divisions—received proportionately smaller amounts in 1967 than in 1963, and the number of degrees awarded by institutions in those two divisions, while remaining higher than in other divisions, also had declined relatively during a somewhat comparable period. Among

TABLE 7.—*Distributions of Federal obligations to universities and colleges and degrees awarded by universities and colleges, by geographic division and State, various years*

[Dollar amounts in millions]

Division and State	Total obligations		Total degrees awarded		Academic science obligations		Degrees awarded in the sciences and engineering						M.D. and D.D.S. degrees	
							Ph. D.		Master's		Bachelor's			
	1963	1967	1961-62	1965-66	1963	1967	1961-62	1965-66	1961-62	1965-66	1961-62	1965-66	1961-62	1965-66
United States, total	$1,413.0	$3,311.1	514,315	714,610	$1,328.5	$2,323.8	7,033	11,298	24,103	38,083	118,699	173,471	10,392	10,984
	Percent of U.S. total													
New England	12.76	10.10	7.98	7.69	13.18	11.54	9.73	10.01	8.75	8.91	7.75	7.90	5.02	4.95
Maine	.16	.19	.48	.45	.15	.14	.03	.09	.21	.27	.63	.60		
New Hampshire	.46	.32	.43	.45	.44	.33	.10	.27	.41	.43	.58	.61		
Vermont	.30	.24	.34	.36	.29	.24	.01	.11	.16	.11	.39	.46	.37	.41
Massachusetts	9.18	6.94	4.66	4.41	9.56	8.51	6.90	6.81	5.80	5.79	4.40	4.44	3.93	3.84
Rhode Island	.77	.50	.56	.56	.78	.54	.71	.88	.42	.58	.58	.61		
Connecticut	1.89	1.90	1.50	1.45	1.9[illegible]	1.77	1.98	1.86	1.74	1.74	1.17	1.19	.73	.70
Middle Atlantic	19.21	17.43	19.12	18.57	19.34	18.56	20.56	18.82	20.47	20.26	19.87	19.11	21.99	21.07
New York	12.05	10.26	10.51	10.30	12.22	11.60	12.03	10.79	12.49	12.48	10.18	9.99	11.38	10.97
New Jersey	1.94	1.95	2.33	2.42	1.96	1.79	2.79	2.87	2.90	2.89	2.32	2.44	1.41	1.32
Pennsylvania	5.23	5.22	6.28	5.86	5.15	5.17	5.74	5.16	5.08	4.89	7.37	6.67	9.19	8.78
East North Central	18.58	18.19	20.30	20.22	18.89	18.09	26.48	22.48	22.32	21.39	20.28	19.48	21.03	19.39
Ohio	3.12	3.39	4.79	4.81	3.17	3.12	3.61	3.21	4.09	4.35	4.84	4.73	4.70	4.50
Indiana	2.03	2.56	3.31	3.30	2.02	2.52	4.49	4.31	4.11	3.78	3.73	3.35	1.98	2.31
Illinois	6.40	5.22	5.09	5.02	6.57	5.52	8.52	7.13	6.21	5.65	4.38	4.45	7.42	6.44
Michigan	4.84	4.56	4.77	4.67	4.95	4.37	5.53	4.63	5.59	5.22	4.86	4.46	4.13	3.70
Wisconsin	2.19	2.47	2.35	2.43	2.19	2.56	4.32	3.20	2.32	2.41	2.48	2.49	2.80	2.45
West North Central	7.54	7.63	10.04	9.70	7.41	7.45	8.62	8.82	8.74	8.38	10.39	9.50	10.53	10.96
Minnesota	2.31	1.90	2.20	2.11	2.29	1.97	2.40	2.21	1.52	1.21	2.31	2.29	1.97	2.13
Iowa	1.40	1.30	1.79	1.70	1.41	1.27	3.16	2.57	1.76	1.53	1.93	1.77	1.54	1.50
Missouri	1.96	2.16	2.44	2.31	1.95	2.18	1.52	1.80	1.95	2.20	2.46	2.20	4.14	4.29
North Dakota	.26	.25	.43	.44	.24	.21	.06	.14	.35	.48	.60	.48		
South Dakota	.22	.29	.48	.47	.21	.23	.03	.04	.49	.42	.63	.56		
Nebraska	.46	.58	1.09	1.09	.43	.52	.36	.58	.65	.61	.89	.79	1.99	2.04
Kansas	.93	1.15	1.60	1.58	.87	1.07	1.09	1.48	2.02	1.92	1.57	1.41	.89	1.00
South Atlantic	12.18	13.98	11.38	11.86	11.40	12.55	9.55	10.37	8.71	8.98	11.03	11.86	14.65	15.42
Delaware	.18	.12	.15	.17	.17	.12	.36	.37	.33	.36	.17	.19		
Maryland	2.72	2.50	1.36	1.53	2.82	2.76	2.32	1.97	.85	.84	1.16	1.37	2.51	2.69
District of Columbia	1.98	1.65	1.22	1.32	1.11	1.13	1.29	1.20	1.64	1.61	.79	.89	3.77	3.85
Virginia	1.14	1.28	1.52	1.49	1.14	1.11	1.00	1.06	1.25	1.05	1.98	1.90	2.04	1.85
West Virginia	.36	.60	.87	.83	.34	.47	.07	.29	.57	.55	.91	.89	.37	.78
North Carolina	2.34	3.22	2.21	2.31	2.39	3.17	2.20	2.43	1.36	1.43	2.08	2.42	2.26	2.19
South Carolina	.39	.81	.92	.81	.38	.47	.09	.30	.26	.43	.99	.81	.68	.62
Georgia	1.36	1.59	1.49	1.49	1.35	1.37	.57	1.02	1.26	1.13	1.57	1.65	2.03	2.14
Florida	1.70	2.21	1.64	1.90	1.70	1.95	1.66	1.72	1.19	1.58	1.37	1.72	.98	1.29
East South Central	3.73	5.47	5.88	5.49	3.56	4.44	1.71	2.32	3.58	3.63	5.41	5.23	6.86	7.32
Kentucky	.74	1.31	1.43	1.31	.70	.87	.41	.46	.57	.50	1.16	1.15	1.36	2.05
Tennessee	1.52	1.71	1.89	1.86	1.47	1.72	1.02	1.20	1.39	1.55	1.90	1.91	3.87	3.60
Alabama	.84	1.70	1.42	1.31	.82	1.28	.23	.39	.77	.84	1.35	1.34	1.03	1.06
Mississippi	.63	.75	1.14	1.01	.56	.58	.04	.27	.84	.74	.99	.83	.61	.62
West South Central	6.11	7.17	9.07	8.77	6.06	6.78	5.33	7.28	8.36	7.80	8.91	8.14	8.81	8.89
Arkansas	.45	.56	.91	.83	.45	.46	.11	.16	.90	.53	.88	.80	.71	1.16
Louisiana	1.39	1.47	1.63	1.58	1.41	1.35	1.17	1.12	1.49	1.36	1.58	1.43	2.72	2.64
Oklahoma	1.14	1.00	1.62	1.61	1.14	.82	.97	1.73	1.78	2.06	1.72	1.43	.83	.86
Texas	3.12	4.14	4.92	4.75	3.07	4.15	3.09	4.27	4.18	3.85	4.73	4.48	4.55	4.23

TABLE 7.—*Distributions of Federal obligations to universities and colleges and degrees awarded by universities and colleges, by geographic division and State, various years*—Continued

[Dollar amounts in millions]

Division and State	Total obligations		Total degrees awarded		Academic science obligations		Degrees awarded in the sciences and engineering						M.D. and D.D.S. degrees	
							Ph. D.		Master's		Bachelor's			
	1963	1967	1961–62	1965–66	1963	1967	1961–62	1965–66	1961–62	1965–66	1961–62	1965–66	1961–62	1965–66
Mountain	4.43	5.02	4.71	5.03	4.40	4.62	3.17	4.39	6.35	5.86	4.93	5.20	1.19	1.04
Montana	.22	.31	.42	.43	.21	.24	.09	.21	.39	.38	.54	.48		
Idaho	.14	.18	.29	.29	.13	.13		.12	.37	.33	.34	.29		
Wyoming	.12	.21	.20	.18	.11	.17	.11	.14	.36	.33	.24	.21		
Colorado	1.56	1.58	1.57	1.55	1.59	1.78	1.28	1.61	1.79	1.54	1.45	1.57	.77	.64
New Mexico	.61	.58	.41	.47	.61	.60	.28	.30	1.13	.87	.48	.54		
Arizona	.66	1.11	.82	.98	.64	.60	.45	.95	1.23	1.34	.66	.78		
Utah	1.02	.89	.92	1.04	1.02	.97	.95	1.05	1.00	.95	1.10	1.23	.42	.40
Nevada	.11	.15	.08	.09	.09	.13		.01	.07	.12	.11	.10		
Pacific	14.95	14.30	10.99	12.01	15.26	15.45	14.86	15.51	12.72	14.71	10.90	13.00	9.24	10.37
Washington	2.00	1.91	1.73	1.78	2.05	2.09	1.91	2.11	1.44	1.59	1.92	2.08	1.17	1.24
Oregon	1.22	1.37	1.24	1.27	1.21	1.21	1.46	1.50	1.35	1.17	1.30	1.30	1.38	2.68
California	11.20	10.33	7.80	8.64	11.49	11.35	11.45	11.62	9.67	11.40	7.41	9.30	6.69	6.45
Alaska	.25	.19	.02	.04	.24	.22	.01	.03	.08	.07	.03	.05		
Hawaii	.28	.51	.20	.28	.27	.57	.03	.25	.17	.47	.24	.28		
Puerto Rico, Virgin Islands, and Guam	.51	.71	.52	.67	.50	.51			.02	.08	.54	.60	.68	.58

individual States, New York had decreased in its percentage of total Federal obligations to universities and colleges located there and in the degrees awarded. Illinois registered similar declines—except that the proportion of bachelor's degrees awarded in the sciences and engineering increased. Michigan registered a relative increase in doctoral degrees awarded in the sciences and engineering, while declining in all the other percentage categories. In Pennsylvania, the institutions remained at the same level in percentage of total Federal support received in both 1963 and 1967, but declined in their percentage of total degrees.

In a different pattern, the institutions in the Pacific division received a lower share of total Federal obligations in 1967 than in 1963, but their proportion of all degrees awarded increased. California, the principal Pacific State in these comparisons, declined relatively in total Federal and academic science funds, but degrees awarded in the sciences and engineering increased for all levels.

As in the past, New England contrasted with most other divisions. Its institutions received a smaller share of Federal obligations in 1967 but showed an increase in the relative number of degrees awarded in the sciences and engineering during 1965–66.

The universities and colleges in the West North Central and East South Central divisions had relative increases in Federal obligations in 1967 but decreases in their proportions of total degrees awarded in 1965–66. The South Atlantic, West South Central, and Mountain States all showed relative increases in both Federal obligations and degrees awarded.

Table 8 shows the total Federal obligations to universities and colleges and the academic science obligations in relation to population, degrees awarded, and student enrollment. In this table, the States are listed in order of total Federal obligations to academic institutions in 1967 and ranked in terms of the other variables.

The ranking in terms of total Federal obligations differs little from that for 1966, and relationships among the variables remained fairly close. Each of the first 10 States ranked in terms of total obligations to their universities and colleges also stood relatively high in terms of population, student enrollment, and degrees awarded; California and New York were the top two States in all cases. The top six States in total obligations maintained the same ranks as in 1966; in addition, these States remained in the same standing for earned degrees in the sciences and engineering during 1965–66 as during 1964–65. For academic

TABLE 8.—*Rankings of Federal obligations to universities and colleges, population and selected educational data, by State, various years*

States (in order of total Federal obligations, 1967) [a]	Population July 1, 1967	Earned degrees awarded, all levels, 1965–66	Student enrollment—		Academic science obligations, 1967	Earned degrees in the sciences and engineering 1965–66				Student enrollment, advanced degrees in sciences and engineering, fall 1965
			All levels, fall 1966	Advanced degrees, fall 1965		Total	Doctor's [b]	Master's	Bachelor's	
1. California	1	2	1	2	2	2	2	2	2	2
2. New York	2	1	2	1	1	1	1	1	1	1
3. Massachusetts	10	8	8	4	3	5	5	3	8	4
4. Illinois	4	4	4	6	4	4	4	4	7	5
5. Pennsylvania	3	3	3	3	5	3	3	6	3	3
6. Michigan	7	7	6	5	6	7	7	5	6	7
7. Texas	5	6	5	8	7	8	6	8	5	8
8. Ohio	6	5	7	7	9	6	8	7	4	6
9. North Carolina	11	13	16	20	8	13	15	22	12	18
10. Indiana	12	9	10	9	12	9	9	9	9	9
11. Maryland	18	23	18	15	10	25	14	31	25	14
12. Wisconsin	16	10	12	14	11	10	11	11	10	12
13. Florida	9	15	9	18	16	19	23	18	19	22
14. Missouri	13	12	11	13	13	12	10	12	14	13
15. New Jersey	8	11	13	10	17	11	17	10	11	10
16. Washington	23	17	14	23	14	15	21	17	15	16
17. Connecticut	24	26	24	12	19	27	27	15	29	17
18. Minnesota	20	14	15	16	15	14	16	25	13	15
19. Tennessee	17	16	17	25	20	16	13	19	16	24
20. Alabama	21	28	28	31	23	28	32	32	26	31
21. District of Columbia	40	27	31	11	26	29	12	16	31	11
22. Georgia	15	25	23	27	21	20	22	27	20	27
23. Colorado	31	20	27	17	18	21	30	20	21	20
24. Louisiana	19	21	20	21	22	24	20	23	23	25
25. Oregon	30	30	29	29	25	26	18	26	27	28
26. Kentucky	22	29	26	33	30	31	[c] 28	38	30	35
27. Iowa	25	18	21	24	24	17	19	21	18	21
28. Virginia	14	24	19	28	27	18	24	28	17	29
29. Kansas	29	22	25	22	28	23	[c] 28	14	24	23
30. Arizona	34	34	30	26	32	32	35	24	37	26
31. Oklahoma	27	19	22	19	31	22	[c] 25	13	22	19
32. Utah	36	32	32	30	29	30	31	29	28	30
33. South Carolina	26	37	35	39	38	37	36	[c] 41	34	38
34. Mississippi	28	33	33	37	34	35	38	33	33	37
35. West Virginia	33	36	36	36	39	34	34	36	32	36
36. New Mexico	37	40	39	35	33	39	41	30	42	32
37. Nebraska	35	31	34	32	37	33	[c] 25	34	36	34
38. Arkansas	32	35	37	38	40	36	33	37	35	42
39. Hawaii	41	47	45	42	35	46	43	40	47	41
40. Rhode Island	39	38	38	34	36	38	37	35	38	33
41. New Hampshire	44	42	41	40	41	40	42	[c] 41	39	40
42. Montana	42	44	46	45	42	44	46	44	44	43
43. South Dakota	45	39	40	46	44	42	49	43	41	45
44. North Dakota	46	43	44	43	46	43	[c] 44	39	43	44
45. Vermont	49	45	47	49	43	45	39	50	45	50
46. Wyoming	50	48	49	48	47	49	[c] 44	46	48	46
47. Maine	38	41	43	44	48	41	48	48	40	49
48. Alaska	51	51	51	51	45	51	50	51	51	51
49. Idaho	43	46	42	47	50	47	47	47	46	47
50. Nevada	48	50	50	50	49	50	51	49	50	48
51. Delaware	47	49	48	41	51	48	40	45	49	39

[a] Includes the District of Columbia; excludes U.S. service schools.

[b] Includes M.D. and D.D.S.

[c] Duplicate numbers indicate "tie" for place; e.g., same number of doctor's degrees were awarded in Kentucky and Kansas, in Oklahoma and Nebraska, and in North Dakota and Wyoming; of master's degrees, in South Carolina and New Hampshire.

science obligations, California and New York exchanged positions, with New York highest in 1967. Texas became seventh and Ohio eighth, a reversal of the previous year's positions, but rankings for earned degrees in the sciences and engineering did not substantially change for the two States. Indiana moved into the top 10 for total Federal obligations, while maintaining similar rankings as in 1966 for population, student enrollment, and degrees awarded.

Among exceptions to the generally close relationships were Massachusetts, Maryland, and the District of Columbia, with considerably higher rank in Federal support to universities and colleges than in population. Conversely, Florida, New Jersey, Virginia, and Maine were higher in population than in total obligations.

A closer relationship existed between the State distributions of academic science support and earned degrees in the sciences and engineering, particularly doctorates awarded. This was a reflection of academic science projects sponsored by the Federal Government, especially the mission-oriented agencies, in universities with large graduate faculties. As the doctoral degrees include M.D. and D.D.S. degrees, this relationship was strengthened by the funding of medical and dental schools by the National Institutes of Health.

Distribution of R. & D. Obligations

Federal obligations for research and development to institutions of higher education leveled off considerably in 1967, rising to $1,324 million from $1,276 million in 1966. This represented a gain of 4 percent, compared with an average growth rate of more than 15 percent each year during 1963–66. As shown in table 9, institutions in the Pacific division and Puerto Rico, the Virgin Islands, and Guam received smaller amounts of R. & D. support in 1967 than in 1966. The amounts in individual States are shown in table 10.

New England registered an increase of $21 million in 1967, which brought the total to $188 million—12 percent higher than in 1966. This was the largest advance made by a geographic division and represented 42 percent of the total increase in Federal R. & D. obligations to universities and colleges. Institutions in Massachusetts were awarded more than $146 million for research and development, a rise of 17 percent from 1966; they accounted for over three-fourths of the New England total of Federal obligations for this type of support.

The Middle Atlantic division continued to be the largest recipient of funds for research and development, although it declined slightly from 1966. Institutions in these States received $251 million in 1967, for almost one-fifth of the U.S. total. New York and Pennsylvania both received less for research and development, and New Jersey gained slightly.

The East North Central division remained at about the same level as in 1966, with $237 million, or 18 percent of the total Federal R. & D. support to institutions of higher education. Michigan and Illinois both showed decreases of over 4 percent.

The East South Central division had an increase of more than 20 percent in obligations for research and development. This was the result primarily of Alabama's 62-percent increase, mostly from Public Health Service awards amounting to nearly $4 million more in 1967.

Federal support to universities and colleges for R. & D. plant fluctuated widely among the geographic divisions in 1967, as shown in table 9. Much of this fluctuation can be directly attributed to the initiation or completion of large individual plant projects. Declines were registered in 20 States, the District of Columbia, and Puerto Rico, the Virgin Islands, and Guam (table 10). Some of the decreases were substantial: Florida, 90 per-

TABLE 9.—*Federal obligations to universities and colleges for research and development and R. & D. plant, by geographic division, 1963, 1966, and 1967*

Geographic division	Research and development (Millions of dollars)			R. & D. plant (Millions of dollars)			Research and development and R. & D. plant					
							Percent distributions			As percent of total Federal obligations		
	1963	1966	1967	1963	1966	1967	1963	1966	1967	1963	1966	1967
United States, total	$829.5	$1,275.7	$1,324.1	$105.9	$114.8	$116.7	100.00	100.00	100.00	66.20	45.84	43.52
New England	128.8	167.0	187.6	10.7	18.8	10.5	14.91	13.36	13.75	77.38	60.59	59.25
Middle Atlantic	170.2	252.0	250.6	20.4	14.4	27.5	20.38	19.16	19.30	70.21	50.43	48.19
East North Central	158.2	235.8	236.7	26.8	20.5	33.3	19.77	18.44	18.74	70.46	45.69	44.84
West North Central	50.3	76.3	83.2	8.0	10.3	5.5	6.24	6.23	6.15	54.80	35.92	35.12
South Atlantic	87.4	140.0	151.5	8.1	11.9	14.0	10.21	10.93	11.49	55.49	38.24	35.76
East South Central	24.0	38.0	45.8	1.3	3.3	3.6	2.70	2.97	3.43	47.89	26.90	27.23
West South Central	42.4	72.4	78.9	5.8	8.7	3.9	5.15	5.83	5.75	55.80	38.18	34.88
Mountain	33.7	55.5	57.6	3.7	6.4	4.9	4.00	4.45	4.34	59.66	42.76	37.66
Pacific	132.2	234.4	228.1	20.8	18.5	13.1	16.36	18.19	16.74	72.45	53.92	50.94
Puerto Rico, Virgin Islands, and Guam [a]	2.4	4.2	4.1	.3	2.0	.3	.29	.45	.30	36.74	31.93	18.57

[a] The amounts to the Virgin Islands and Guam were a small fraction of the total.

TABLE 10.—*Federal obligations to universities and colleges for research and development and R. & D. plant, by geographic division and State, 1963, 1966, and 1967*

[Thousands of dollars]

Division and State	Research and development			R. & D. plant		
	1963	1966	1967	1963	1966	1967
United States, total	$829,524	$1,275,663	$1,324,144	$105,896	$114,767	$116,669
New England	128,772	167,016	187,585	10,700	18,786	10,549
Maine	858	1,251	1,201	47	21	57
New Hampshire	3,517	5,082	4,731	945	488	144
Vermont	2,507	2,563	2,953	....	404	108
Massachusetts	99,324	125,648	146,459	5,239	6,332	7,435
Rhode Island	7,223	11,581	8,688	947	2,843	63
Connecticut	15,343	20,891	23,553	3,522	8,698	2,742
Middle Atlantic	170,196	252,040	250,625	20,436	14,358	27,478
New York	109,818	158,990	158,266	12,049	7,125	19,740
New Jersey	17,983	25,487	26,626	2,489	1,053	2,311
Pennsylvania	42,395	67,563	65,733	5,898	6,180	5,427
East North Central	158,192	235,803	236,742	26,762	20,525	33,337
Ohio	26,679	38,956	37,682	1,312	5,857	1,431
Indiana	16,354	25,314	30,368	1,305	4,476	5,036
Illinois	57,096	83,265	79,941	10,701	4,766	6,929
Michigan	41,262	60,953	58,065	9,644	5,036	10,956
Wisconsin	16,801	27,315	30,686	3,800	390	8,985
West North Central	50,340	76,267	83,202	8,017	10,338	5,480
Minnesota	17,951	23,473	25,009	1,817	712	1,726
Iowa	8,662	13,862	15,081	3,384	685	313
Missouri	12,822	22,588	24,813	2,350	6,673	1,174
North Dakota	919	1,307	1,590	269	28	42
South Dakota	891	1,992	1,932	119	34	69
Nebraska	3,028	4,372	4,577	49	35	143
Kansas	6,067	8,673	10,200	29	2,171	2,013
South Atlantic	87,368	140,047	151,508	8,145	11,872	13,970
Delaware	1,199	1,718	1,590	500	16	45
Maryland	25,176	34,615	39,556	2,171	1,314	1,851
District of Columbia	9,960	14,796	14,463	....	700	263
Virginia	8,093	12,477	11,354	882	326	1,049
West Virginia	2,054	3,418	4,161	14	257	110
North Carolina	16,439	30,337	35,901	1,179	4,272	8,158
South Carolina	2,005	3,059	3,226	53	46	1,177
Georgia	8,433	13,364	14,589	1,895	807	891
Florida	14,009	26,263	26,668	1,451	4,134	426
East South Central	23,960	37,993	45,776	1,287	3,335	3,583
Kentucky	4,647	8,274	8,656	32	2,786	385
Tennessee	9,823	16,616	18,801	1,100	444	1,876
Alabama	6,009	8,404	13,597	155	50	1,231
Mississippi	3,481	4,699	4,722	....	55	91
West South Central	42,442	72,380	78,919	5,752	8,663	3,886
Arkansas	2,514	4,144	4,112	368	41	120
Louisiana	8,822	15,952	14,291	2,079	3,385	340
Oklahoma	6,003	7,686	8,084	2,394	36	149
Texas	25,103	44,598	52,432	911	5,201	3,277
Mountain	33,658	55,529	57,634	3,689	6,378	4,913
Montana	1,318	2,166	2,222	69	53	478
Idaho	813	1,119	1,089	....	24	66
Wyoming	543	1,286	1,949	....	407	39
Colorado	10,783	21,432	23,062	2,054	1,853	2,278
New Mexico	5,789	8,288	8,116	8	173	140
Arizona	5,346	8,885	7,470	401	3,418	597
Utah	8,289	10,443	11,750	1,157	427	1,281
Nevada	777	1,910	1,976	....	23	34

TABLE 10.—*Federal obligations to universities and colleges for research and development and R. & D. plant, by geographic division and State, 1963, 1966, and 1967*—Continued

[Thousands of dollars]

Division and State	Research and development			R. & D. plant		
	1963	1966	1967	1963	1966	1967
Pacific	$132,211	$234,415	$228,093	$20,826	$18,475	$13,140
Washington	14,660	25,192	27,814	4,213	963	2,108
Oregon	8,737	14,415	14,730	1,850	1,670	1,031
California	103,596	180,961	173,046	14,707	14,352	8,286
Alaska	2,839	5,596	4,292	....	70	136
Hawaii	2,379	8,251	8,211	56	1,420	1,579
Puerto Rico, Virgin Islands, and Guam	2,385	4,173	4,060	282	2,037	333

cent; Missouri, 82 percent; California, 42 percent; and Texas, 39 percent.

While total Federal obligations to the institutions for R. & D. plant in 1967 increased less than 2 percent over 1966, in the Middle Atlantic division they almost doubled—to more than $27 million from $14 million. The amount in New York rose from $7 million in 1966 to nearly $20 million in 1967; the National Science Foundation provided $12 million in 1967.

In the East North Central States, the R. & D. plant funds were increased by two-thirds in 1967, to $33 million, or more than one-fourth of the U.S. total. The South Atlantic and East South Central divisions also registered substantial gains.

In recent years there has been less emphasis on research and development as a type of support to academic institutions. Instead, interest has developed in programs of education in the sciences (other science activities) and in nonscience activities. Table 9 shows the extent to which each geographic division relied on research and development and R. & D. plant support in 1963, 1966, and 1967.

R. & D. support accounted for 59 percent of total Federal obligations to universities and colleges in 1963 but only 40 percent in 1967 (table 1). In five States—Maine, North Dakota, South Carolina, Mississippi, and Idaho—R. & D. funds accounted for less than 20 percent of their totals of Federal obligations to universities and colleges. But in four States—Massachusetts, Rhode Island, California, and Alaska—R. & D. funds continued as more than half of the Federal total of academic support. As shown in table 10, the distribution of funds for R. & D. activities has not changed significantly since 1963; thus, States with institutions having outstanding science facilities continue to attract the most Federal R. & D. support.

IV. Distribution of Federal Support by Institution

Total Federal Obligations to Individual Universities and Colleges

In 1967 a total of 2,056 universities and colleges received Federal support (table 11) from the eight Federal agencies covered in this report, approximately the same number of institutions as in 1966. The amount of Federal funds received by the institutions reflected an apparent leveling off in the rate of increase in 1967—up 9 percent in 1967, compared to the 29-percent annual average in the period 1963–66. In 1967, over 80 percent of the Nation's institutions of higher education received Federal support; in 1963, less than half. Of the 1,190 institutions that awarded degrees in the sciences and engineering in 1965–66,[1] over 97 percent received Federal support in 1967—a total of 1,156.

The distribution of Federal support in 1967 was not quite as wide as in 1966 but definitely greater than in 1963. The three largest classes in terms of size of Federal program obligations showed substantial gains. The number of institutions receiving $10 million or more in 1967 rose to 85, for just over 4 percent of the total number of universities and colleges receiving Federal funds; in 1966 the group represented just under 4 percent of the total. The number of institutions receiving $5 million to $10 million also increased. And the $1 million-to-$5 million class increased from 212 in 1966 to 222 in 1967, for 11 percent of the total.

The lowest program-size class showed less concentration. Universities and colleges receiving less than $100,000 numbered 872 in 1967, down from 914 in 1966, and represented more than 42 percent of the total. In 1963 this group included 60 percent of the total number of institutions.

Federal funds to the 100 institutions receiving the largest amounts in 1967 (table 12) continued the trend established in the years 1963 through 1966—the total amount obligated to them was greater but accounted for a smaller proportion of the total. In 1967 these institutions received $2,278 million, or almost 69 percent of the total obligations, but they accounted for more than 70 percent in 1966 and 85 percent in 1963. Support to these universities and colleges declined as a part of the total obligations by about 2 percent in 1967, but had declined in this portion at an average annual rate of more than 6 percent in the period 1963–66.

TABLE 11.—*Number of universities and colleges receiving Federal obligations, ranked by size of Federal program, 1967*

Size of Federal program	Number of institutions	Percent distribution
Total	2,056	100.00
$10 million or more	85	4.13
$5 million to $9.9 million	53	2.58
$1 million to $4.9 million	222	10.80
$500,000 to $999,000	213	10.36
$100,000 to $499,000	611	29.72
Less than $100,000	872	42.41

The composition of the 100 institutions receiving the largest amounts of Federal obligations in 1967 varied little from that of 1966. When noting some of the shifts in the composition, it is important to consider that one large grant or contract may constitute much of the total obligation to any one institution in any one year. Although the grant or contract may extend over several years, the entire amount is reported for the year during which the obligation was made. For example, Rensselaer Polytechnic Institute and the University of California at Irvine ranked in the top 100 for the first time in 1967, primarily owing to grants of around $2 million awarded by the Office of Education for building or remodeling graduate facilities under title II of the Higher Education Facilities Act of 1963. Seven others were new additions to the top 100: Wake Forest University, Hahnemann Medical College and Hospital, Medical College of South Carolina, Kansas State University, University of New Mexico, Medical College of Virginia, and St. Louis University.

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[1] Department of Health, Education, and Welfare, Office of Education data.

TABLE 12.—*Federal obligations to the 100 universities and colleges receiving the largest amounts, 1967*

[Dollar amounts in thousands]

Institution (in order of total Federal obligations)	State	Total obligations		Academic science		Nonscience activities	
		Amount	Percent of U.S. total	Amount	Percent of U.S. total	Amount	Percent of U.S. total
Totals for 100 universities and colleges		$2,278,315	68.81	$1,848,225	79.53	$430,090	43.56
1. Massachusetts Institute of Technology	Massachusetts	96,047	2.90	95,487	4.11	560	.06
2. University of Michigan	Michigan	64,758	1.96	56,344	2.42	8,414	.85
3. University of Illinois	Illinois	63,660	1.92	52,446	2.26	11,214	1.14
4. Columbia University [a]	New York	55,908	1.69	52,113	2.24	3,795	.38
5. University of California—Berkeley	California	52,757	1.59	48,889	2.10	3,868	.39
6. University of Wisconsin—Madison	Wisconsin	52,444	1.58	48,290	2.08	4,154	.42
7. Harvard University	Massachusetts	51,961	1.57	48,861	2.10	3,100	.31
8. University of California—Los Angeles	California	51,175	1.55	45,398	1.95	5,777	.59
9. University of Minnesota	Minnesota	49,459	1.49	42,125	1.81	7,334	.74
10. Stanford University	California	48,709	1.47	45,856	1.97	2,853	.29
11. New York University	New York	44,449	1.34	39,363	1.69	5,086	.52
12. University of Chicago	Illinois	43,616	1.32	39,583	1.70	4,033	.41
13. University of Washington	Washington	43,411	1.31	38,731	1.67	4,680	.47
14. Cornell University	New York	39,468	1.19	37,741	1.62	1,727	.17
15. University of Maryland	Maryland	37,521	1.13	27,138	1.17	10,383	1.05
16. Johns Hopkins University	do	37,139	1.12	34,968	1.50	2,171	.22
17. University of Pennsylvania	Pennsylvania	36,419	1.10	33,770	1.45	2,649	.27
18. Indiana University	Indiana	33,035	1.00	22,361	.96	10,674	1.08
19. Yale University	Connecticut	32,824	.99	30,926	1.33	1,898	.19
20. University of Alabama	Alabama	31,865	.96	17,786	.77	14,079	1.43
21. Ohio State University	Ohio	31,198	.94	23,602	1.02	7,596	.77
22. Duke University	North Carolina	30,591	.92	27,594	1.19	2,997	.30
23. Wayne State University	Michigan	29,340	.89	15,559	.67	13,781	1.40
24. University of North Carolina—Chapel Hill	North Carolina	28,400	.86	23,972	1.03	4,428	.45
25. University of Arizona	Arizona	28,288	.85	10,286	.44	18,002	1.82
26. University of Texas—Austin	Texas	27,657	.84	23,029	.99	4,628	.47
27. University of Colorado	Colorado	27,554	.83	24,412	1.05	3,142	.32
28. Purdue University	Indiana	27,170	.82	22,379	.96	4,791	.49
29. Washington University	Missouri	25,415	.77	23,288	1.00	2,127	.22
30. Pennsylvania State University	Pennsylvania	25,089	.76	18,331	.79	6,758	.68
31. Michigan State University	Michigan	24,358	.74	19,143	.82	5,215	.53
32. University of Pittsburgh	Pennsylvania	24,330	.73	21,006	.90	3,324	.34
33. Yeshiva University	New York	23,884	.72	22,030	.95	1,854	.19
34. University of Southern California	California	23,703	.72	17,809	.77	5,894	.60
35. University of Florida	Florida	23,346	.71	15,832	.68	7,514	.76
36. University of Rochester	New York	22,977	.69	21,420	.92	1,557	.16
37. Western Reserve University	Ohio	22,565	.68	16,486	.71	6,079	.62
38. Princeton University	New Jersey	21,920	.66	20,531	.88	1,389	.14
39. Howard University	District of Columbia	21,873	.66	3,148	.14	18,725	1.90
40. University of Oregon	Oregon	21,831	.66	14,487	.62	7,344	.74
41. University of Miami	Florida	21,576	.65	16,410	.71	5,166	.52
42. University of Tennessee	Tennessee	21,011	.63	16,470	.71	4,541	.46
43. University of Connecticut	Connecticut	20,681	.62	6,737	.29	13,944	1.41
44. Northwestern University	Illinois	19,649	.59	17,233	.74	2,416	.24
45. University of Utah	Utah	19,401	.59	15,869	.68	3,532	.36
46. University of California—San Francisco	California	19,198	.58	18,255	.79	943	.10
47. University of Iowa	Iowa	19,148	.58	15,587	.67	3,561	.36
48. University of Kansas	Kansas	19,068	.58	15,444	.66	3,624	.37
49. Rutgers State University	New Jersey	19,001	.57	13,080	.56	5,921	.60
50. University of Missouri—Columbia	Missouri	18,979	.57	15,181	.65	3,798	.38
51. Boston University	Massachusetts	18,651	.56	12,983	.56	5,668	.57
52. University of California—San Diego	California	18,554	.56	17,567	.76	987	.10
53. California Institute of Technology	do	17,682	.53	16,911	.73	771	.08
54. University of Hawaii	Hawaii	16,711	.50	13,210	.57	3,501	.35
55. Vanderbilt University	Tennessee	16,585	.50	15,490	.67	1,095	.11

See footnote at end of table.

TABLE 12.—*Federal obligations to the 100 universities and colleges receiving the largest amounts, 1967*—Con.

[Dollar amounts in thousands]

Institution (in order of total Federal obligations)	State	Total obligations		Academic science		Nonscience activities	
		Amount	Percent of U.S. total	Amount	Percent of U.S. total	Amount	Percent of U.S. total
56. University of Kentucky	Kentucky	$16,427	.50	$12,140	.52	$4,287	.43
57. University of Georgia	Georgia	16,228	.49	11,973	.52	4,255	.43
58. Tulane University	Louisiana	15,615	.47	13,942	.60	1,673	.17
59. Emory University	Georgia	15,474	.47	9,441	.41	6,033	.61
60. Baylor University	Texas	15,028	.45	13,997	.60	1,031	.10
61. University of Louisville	Kentucky	14,993	.45	4,603	.20	10,390	1.05
62. Wake Forest University	North Carolina	14,515	.44	4,683	.20	9,832	1.00
63. University of California—Davis	California	14,498	.44	12,635	.54	1,863	.19
64. University of Virginia	Virginia	14,244	.43	10,795	.46	3,449	.35
65. Texas A&M University	Texas	14,126	.43	13,239	.57	887	.09
66. University of Oklahoma	Oklahoma	14,108	.43	8,762	.38	5,346	.54
67. Syracuse University	New York	13,940	.42	10,564	.45	3,376	.34
68. North Carolina State University—Raleigh	North Carolina	13,543	.41	11,892	.51	1,651	.17
69. Carnegie Institute of Technology	Pennsylvania	12,673	.38	11,557	.50	1,116	.11
70. Oregon State University	Oregon	12,648	.38	10,025	.43	2,623	.27
71. University of Puerto Rico—Rio Piedras	Puerto Rico	12,248	.37	8,647	.37	3,601	.36
72. State University at Buffalo	New York	12,127	.37	10,460	.45	1,667	.17
73. Iowa State University	Iowa	12,070	.36	10,407	.45	1,663	.17
74. University of Nebraska	Nebraska	12,053	.36	9,439	.41	2,614	.26
75. West Virginia University	West Virginia	11,794	.36	8,655	.37	3,139	.32
76. Florida State University	Florida	11.771	.36	8,055	.35	3,716	.38
77. University of Notre Dame	Indiana	11,633	.35	10,607	.46	1,026	.10
78. Colorado State University	Colorado	11,448	.35	9,276	.40	2,172	.22
79. University of Arkansas	Arkansas	11,224	.34	9,129	.39	2,095	.21
80. University of Cincinnati	Ohio	10,859	.33	8,782	.38	2,077	.21
81. Hahnemann Medical College and Hospital	Pennsylvania	10,828	.33	3,852	.17	6,976	.71
82. Temple University	do	10,825	.33	8,867	.38	1,958	.20
83. Oklahoma State University	Oklahoma	10,754	.32	8,167	.35	2,587	.26
84. George Washington University	District of Columbia	10,310	.31	8,816	.38	1,494	.15
85. Medical College of South Carolina	South Carolina	10,222	.31	1,666	.07	8,556	.87
86. Washington State University	Washington	9,794	.30	7,218	.31	2,576	.26
87. Brown University	Rhode Island	9,558	.29	8,590	.37	968	.10
88. Georgetown University	District of Columbia	9,521	.29	7,507	.32	2,014	.20
89. Tufts University	Massachusetts	9,329	.28	7,662	.33	1,667	.17
90. Rice University	Texas	8,777	.27	8,065	.35	712	.07
91. Kansas State University	Kansas	8,478	.26	6,603	.28	1,875	.19
92. University of New Mexico	New Mexico	8,372	.25	6,334	.27	2,038	.21
93. Auburn University	Alabama	8,364	.25	7,298	.31	1,066	.11
94. Rensselaer Polytechnic Institute	New York	8,261	.25	7,077	.30	1,184	.12
95. Medical College of Virginia	Virginia	7,956	.24	4,444	.19	3,512	.36
96. Mississippi State University	Mississippi	7,706	.23	6,307	.27	1,399	.14
97. University of Puerto Rico—San Juan	Puerto Rico	7,529	.23	2,264	.10	5,265	.53
98. University of California—Irvine	California	7,489	.23	4,284	.18	3,205	.32
99. St. Louis University	Missouri	7,482	.23	5,543	.24	1,939	.20
100. University of California—Santa Barbara	California	7,464	.23	5,009	.22	2,455	.25

[a] Main university only.

A change in reporting categories occurred in 1967. The identification of certain additional systems resulted in some universities and colleges being considered as separate entries for the first time. (See *Technical Notes*, page 45.) For example, in 1966 the University of Puerto Rico, with its component parts summed for an institutional total, ranked 51st. In 1967, with each component reported separately, the University of Puerto Rico at Rio Piedras ranked 71st and the University of Puerto Rico at San Juan was 97th.

In 1967 the Massachusetts Institute of Technology regained the position as the largest recipient of Federal funds ($96 million); except for 1966 it had ranked first each year since 1963. Before 1967 the Apollo Guidance Project was classified by NASA as a Federally Funded Research and Development Center, and all Federal obligations to it were omitted from the obligations reported for MIT. In 1967, however, NASA removed the Apollo Guidance Project from the FFRDC classification and included all project obligations with those of MIT. (See *Technical Notes*, page 47.) The University of Michigan was the second-largest recipient, with $65 million in 1967.

Eight of the top 10 recipients were the same constitutions as in 1966. The University of Wisconsin at Madison and the University of Minnesota rose to the top 10, while the University of Chicago and Ohio State University dropped to 12th and 21st, respectively. Among the top 10 institutions, the University of California at Berkeley rose to fifth position; and Stanford University dropped from third to 10th, largely because of a 47-percent reduction in obligations from DOD.

Among the top 25 recipients, 14 institutions increased their shares of the total Federal support to universities and colleges in 1967. This was a notably high number of institutions increasing their proportions in a year when total funds increased at a lower rate than in previous years. In contrast, of the first 25 institutions ranked according to their total Federal obligations in 1966, only four had increased their percentages of the total from 1963.

Increased obligations from the Public Health Service in 1967 resulted in upward shifts in some of the top-ranking recipients. The University of Maryland was 15th in 1967, but 30th in 1966; obligations from PHS more than doubled—$15 million in 1967, from $7 million in 1966. The University of Alabama was 20th in 1967, up from 68th in 1966; PHS obligations rose to $21 million from $8 million. Wayne State University moved from 70th to 23rd in 1967; its PHS support was $21 million, nearly four times the amount in 1966. The University of Arizona moved up to 25th from 36th with PHS obligations of $16 million.

Academic Science Obligations to Individual Universities and Colleges

Academic science obligations include those for research and development, R. & D. plant, and other science activities, such as education in the sciences and science information. Table 13 shows a close relationship between academic science support and degrees awarded in the sciences and engineering. This has developed because universities and colleges awarding relatively large numbers of earned degrees in the sciences and engineering have tended to be among the largest recipients of Federal support for academic science.

In 1967, $2,084 million was granted to institutions awarding doctoral degrees in the sciences and engineering, including medical doctorates. Although the amount obligated to these institutions was nearly 6 percent greater than in 1966, it decreased as a proportion of the total academic science obligations—just under 90 percent in 1967, compared to 91 percent in 1966. In addition to awarding all of the Nation's doctoral degrees in the sciences and engineering, these universities and colleges awarded more than 85 percent of the master's and 52 percent of the bachelor's degrees in the sciences and engineering in 1965–66. This was a slight decline in the proportion of master's degrees and a small increase in the proportion of bachelor's degrees awarded by those institutions in 1964–65.

Institutions awarding master's degrees as the highest level in science or engineering received nearly $117 million in 1967 (table 13)—25 percent more than in 1966. In academic science support, the share for these institutions rose from a little more than 4 percent in 1966 to 5 percent in 1967. These universities and colleges awarded larger shares of both bachelor's and master's degrees in academic year 1965–66 than in 1964–65. The institutions awarding the bachelor's as the highest degree in the sciences or engineering received 3 percent of the academic science total and awarded 23 percent of the bachelor's degrees in 1965–66.

TABLE 13.—*Federal obligations for academic science to universities and colleges, 1967, by level of highest degree conferred in the sciences and engineering, 1965–66*

[Dollars amounts in millions]

Highest degree awarded in sciences or engineering, 1965–66	Academic science obligations, 1967		Percent of degrees awarded in the sciences and engineering, by level, 1965–66		
	Amount	Percent	Doctor's [a]	Master's	Bachelor's
Total	$2,323.8	100.00	100.00	100.00	100.00
Doctor's [a]	2,084.2	89.69	100.00	85.49	52.33
Master's	116.6	5.02	....	14.51	24.36
Bachelor's	71.3	3.07	....	....	23.31
No degree	51.7	2.23	....	....	....

[a] Includes M.D. and D.D.S. degrees. Also includes academic science obligations to central systems where at least one institution in the system awarded the Ph. D. in the sciences and engineering in 1965-66. Separate data for the university systems are shown in appendix table B–4.

The universities and colleges not awarding degrees in the sciences and engineering had a two-thirds rise in academic science obligations to $52 million in 1967. These institutions—primarily liberal arts colleges, junior colleges, community colleges, and theological schools—make up about one-half of the total number of universities and colleges. Although they participate principally in nonscience Federal activities, such as programs for the construction of new facilities, they are becoming more concerned with science activities. As a result, some of the Federal agencies have designed programs specifically for developing and strengthening the science capabilities of these less-known institutions.

The pattern of distribution of academic science support, constituting 70 percent of total Federal obligations to universities and colleges in 1967, was similar to that of total support. The principal difference was somewhat more concentration of the academic science funds than of total Federal obligations because the institutions with better scientific resources received more of the Federal support. For example, nine institutions that ranked in the top 100 for academic science did not rank in the top 100 in terms of total Federal obligations. Those nine, mainly professional institutions emphasizing science programs with large grants from PHS, were Polytechnic Institute of Brooklyn, SUNY Downstate Medical College, New York Medical College, Case Institute of Technology, Rockefeller University, Virginia Polytechnic Institute, Brandeis University, M.D. Anderson Hospital and Tumor Institute, and Louisiana State University at New Orleans.

The 100 universities and colleges receiving the most Federal support for academic science granted 90 percent of all doctorates awarded in the sciences and engineering in 1965–66, as well as 66 percent of all master's, 38 percent of bachelor's, and 77 percent of the medical degrees (table 14). These percentages were somewhat lower than those for 1964–65. Generally, universities and colleges with the largest amounts of academic science support were those awarding the largest numbers of graduate degrees in the sciences and engineering. However, among individual institutions, the University of California at Berkeley had the greatest share of all degrees awarded in the sciences and engineering but ranked only fifth in terms of academic science support.

The distribution of academic science funds was heavily concentrated within the group of universities and colleges that ranked in the top 100 in terms of total Federal obligations (table 15). These institutions received just over 80 percent of total academic science support—a little less than the 81 percent in 1966. Thus, the universities and colleges ranking below the top 100 had increased their share of the academic science total to almost 20 percent in 1967, from 19 percent in 1966 and 13 percent in 1963.

R. & D. Obligations to Individual Universities and Colleges

As in other categories of support, Federal R. & D. obligations to universities and colleges were highly concentrated among the top 100 recipients of R. & D. support. Their total of $1,166 million in 1967 made up 88 percent of the total Federal obligations for these purposes. (See table 16.) This degree of concentration has not changed significantly since 1963, when the top 100 institutions received just under 90 percent of the total.

In the past, obligations for research and development have originated in the mission-oriented agencies. When awarding grants and contracts, these agencies have traditionally sought the universities and colleges with well-established graduate programs and research facilities in the sciences and engineering. Consequently, R. & D. funds have been closely associated with Ph. D. degrees awarded in the sciences and engineering. The 96 Ph.D.-granting institutions included among the top 100 in terms of R. & D. support in 1967 awarded almost nine-tenths of all Ph. D. degrees in the sciences and engineering in 1965–66. This close relationship, much like that in 1963, shows that Federal R. & D. funds continued to be obligated to those institutions with well-developed research facilities.

Table 16 shows the agency sponsorship of research and development in the universities and colleges ranked in the top 100 in 1967. Each of the eight Federal agencies concentrated more than two-thirds of its total R. & D. obligations to institutions in this group. The Atomic Energy Commission, the Department of Commerce, and the National Aeronautics and Space Administration each obligated more than 90 percent of its R. & D. support among them.

The composition of the top 100 institutions in terms of R. & D. support was similar to that in 1966. The Massachusetts Institute of Technology retained its position as the largest recipient of

Table 14.—*Federal obligations for academic science to the 100 universities and colleges receiving the largest amounts, 1967, and percent of degrees awarded, 1965–66*

[Dollar amounts in thousands]

Institution (in order of academic science obligations)	Federal obligations			Percent of total degrees awarded, 1965-66			
	State	Amount	Percent of U.S. total	Science and engineering, by level			M.D. and D.D.S.
				Ph. D.	Master's	Bachelor's	
Total for 100 universities and colleges	....	$1,869,052	80.43	89.86	66.32	38.37	76.65
1. Massachusetts Institute of Technology	Massachusetts	95,487	4.11	3.10	2.07	.41	....
2. University of Michigan	Michigan	56,344	2.42	2.44	2.30	.96	2.48
3. University of Illinois	Illinois	52,446	2.26	3.50	2.33	1.18	2.28
4. Columbia University [a]	New York	52,113	2.24	1.96	1.43	.36	1.25
5. University of California—Berkeley	California	48,889	2.10	4.06	2.47	1.29	....
6. Harvard University	Massachusetts	48,861	2.10	2.06	.82	.49	1.40
7. University of Wisconsin—Madison	Wisconsin	48,290	2.08	3.05	2.05	.90	.78
8. Stanford University	California	45,856	1.97	2.31	1.90	.45	.49
9. University of California—Los Angeles	California	45,398	1.95	1.62	1.56	.90	.64
10. University of Minnesota	Minnesota	42,125	1.81	2.21	1.04	1.17	2.13
11. University of Chicago	Illinois	39,583	1.70	1.61	.82	.16	.54
12. New York University	New York	39,363	1.69	1.69	2.04	.46	2.50
13. University of Washington	Washington	38,731	1.67	1.50	1.01	.80	1.24
14. Cornell University	New York	37,741	1.62	2.15	1.38	.65	.74
15. Johns Hopkins University	Maryland	34,968	1.50	.92	.28	.25	.76
16. University of Pennsylvania	Pennsylvania	33,770	1.45	1.38	.87	.31	2.29
17. Yale University	Connecticut	30,926	1.33	1.35	.61	.17	.70
18. Duke University	North Carolina	27,594	1.19	.87	.25	.28	.75
19. University of Maryland	Maryland	27,138	1.17	1.05	.56	.61	1.93
20. University of Colorado	Colorado	24,412	1.05	1.09	.61	.47	.64
21. University of North Carolina—Chapel Hill	North Carolina	23,972	1.03	.71	.36	.31	.99
22. Ohio State University	Ohio	23,602	1.02	1.87	1.32	.88	2.37
23. Washington University	Missouri	23,288	1.00	.54	.38	.24	1.22
24. University of Texas—Austin	Texas	23,029	.99	2.05	.74	.74	....
25. Purdue University	Indiana	22,379	.96	2.50	2.10	1.03	....
26. Indiana University	do	22,361	.96	1.30	.62	.45	2.31
27. Yeshiva University	New York	22,030	.95	.27	.10	.07	.79
28. University of Rochester	do	21,420	.92	.68	.34	.17	.56
29. University of Pittsburgh	Pennsylvania	21,006	.90	.85	.46	.39	1.58
30. Princeton University	New Jersey	20,531	.88	1.51	.53	.21	....
31. Michigan State University	Michigan	19,143	.82	1.68	1.31	.79	....
32. Pennsylvania State University	Pennsylvania	18,331	.79	1.43	1.23	.92	....
33. University of California—San Francisco	California	18,255	.79	.29	.04	.02	1.54
34. University of Southern California	do	17,809	.77	.58	1.55	.26	1.44
35. University of Alabama	Alabama	17,786	.77	.16	.39	.34	1.06
36. University of California—San Diego	California	17,567	.76	.23	.09	....	....
37. Northwestern University	Illinois	17,233	.74	1.18	.66	.27	1.73
38. California Institute of Technology	California	16,911	.73	.92	.35	.08	....
39. Western Reserve University	Ohio	16,486	.71	.42	.23	.11	1.27
40. University of Tennessee	Tennessee	16,470	.71	.58	.81	.43	2.48
41. University of Miami	Florida	16,410	.71	.16	.17	.29	.79
42. University of Utah	Utah	15,869	.68	.73	.32	.44	.40
43. University of Florida	Florida	15,832	.68	1.07	.92	.55	.50
44. University of Iowa	Iowa	15,587	.67	.84	.59	.39	1.50
45. Wayne State University	Michigan	15,559	.67	.50	.70	.41	.66
46. Vanderbilt University	Tennessee	15,490	.67	.50	.24	.20	.48
47. University of Kansas	Kansas	15,444	.66	.74	.53	.33	1.00
48. University of Missouri—Columbia	Missouri	15,181	.65	.86	.80	.45	.66
49. University of Oregon	Oregon	14,487	.62	.55	.31	.30	2.68
50. Baylor University	Texas	13,997	.60	.19	.15	.15	1.54
51. Tulane University	Louisiana	13,942	.60	.46	.24	.17	1.06
52. Texas A&M University—College Station	Texas	13,239	.57	1.09	.74	.46	....
53. University of Hawaii	Hawaii	13,210	.57	.25	.47	.28	....
54. Rutgers, The State University	New Jersey	13,080	.56	.96	.78	.72	....
55. Boston University	Massachusetts	12,983	.56	.39	.28	.35	.68

See footnotes at end of table.

TABLE 14.—*Federal obligations for academic science to the 100 universities and colleges receiving the largest amounts, 1967, and percent of degrees awarded, 1965–66*—Continued

[Dollar amounts in thousands]

Institution (in order of academic science obligations)	Federal obligations			Percent of total degrees awarded, 1965–66			
	State	Amount	Percent of U.S. total	Science and engineering, by level			M.D. and D.D.S.
				Ph. D.	Master's	Bachelor's	
56. University of California—Davis	California	$12,635	.54	.92	.49	.34	....
57. University of Kentucky	Kentucky	12,140	52	.27	.38	.29	.80
58. University of Georgia	Georgia	11,973	.52	.44	.35	.43	....
59. North Carolina State University—Raleigh	North Carolina	11,892	.51	.84	.64	.54	....
60. Carnegie Institute of Technology	Pennsylvania	11,557	.50	.73	.43	.20	....
61. University of Virginia	Virginia	10,795	.46	.46	.26	.29	.63
62. University of Notre Dame	Indiana	10,607	.46	.50	.55	.36	....
63. Syracuse University	New York	10,564	.45	.67	.75	.41	....
64. State University at Buffalo	do	10,460	45	.55	.36	.42	1.37
65. Iowa State University	Iowa	10,407	.45	1.73	.73	.54	....
66. University of Arizona	Arizona	10,286	.44	.76	.78	.39	....
67. Oregon State University	Oregon	10,025	.43	.92	.74	.41	....
68. Emory University	Georgia	9,441	.41	.16	.12	.14	1.37
69. University of Nebraska	Nebraska	9,439	.41	.58	.51	.36	.91
70. Colorado State University	Colorado	9,276	.40	.32	.50	34	....
71. University of Arkansas	Arkansas	9,129	.39	.16	.44	.27	1.16
72. Temple University	Pennsylvania	8,867	.39	.18	.34	.22	2.24
73. George Washington University	District of Columbia	8,816	.38	.22	.55	.22	.79
74. University of Cincinnati	Ohio	8,782	.38	.33	.35	.34	.86
75. University of Oklahoma	Oklahoma	8,762	.38	.77	.79	.35	.86
76. West Virginia University	West Virginia	8,655	.37	.29	.44	.33	.78
77. University of Puerto Rico—Rio Piedras	Puerto Rico	8,647	.37	....	.08	.51	.58
78. Brown University	Rhode Island	8,590	.37	.75	.37	.22	....
79. Oklahoma State University	Oklahoma	8,167	.35	.96	1.06	.49	....
80. Rice University	Texas	8,065	.35	.49	.14	.15	....
81. Florida State University	Florida	8,055	.35	.49	.41	.22	....
82. Tufts University	Massachusetts	7,662	.33	.07	.10	.23	1.76
83. Georgetown University	District of Columbia	7,507	.32	.26	.24	.12	1.84
84. Auburn University	Alabama	7,298	.31	.23	.35	.44	....
85. Washington State University	Washington	7,218	.31	.60	.40	.38	....
86. Rensselaer Polytechnic Institute	New York	7,077	.30	.64	.80	.33	....
87. M.D. Anderson Hospital and Tumor Institute.[b]	Texas	6,746	.29	....	....	....	....
88. University of Connecticut	Connecticut	6,737	.29	.49	.70	.36	....
89. Louisiana State University—New Orleans	Louisiana	6,657	.29	....	.01	.07	....
90. Kansas State University	Kansas	6,603	.28	.73	.71	.36	....
91. University of New Mexico	New Mexico	6,334	.27	.22	.36	.21	....
92. Mississippi State University	Mississippi	6,307	.27	.16	.39	.29	....
93. Virginia Polytechnic Institute	Virginia	6,215	.27	.58	.40	.42	....
94. Brandeis University	Massachusetts	6,172	.27	.29	.09	.11	....
95. Case Institute of Technology	Ohio	6,034	.26	.41	.35	.16	....
96. New York Medical College	New York	5,802	.25	....	.02	....	1 13
97. Downstate Medical Center	do	5,781	.25	.05	....	....	1.38
98. Rockefeller University	do	5,739	.25	.16	....	....	....
99. Polytechnic Institute of Brooklyn New York	do	5,634	.24	.64	.81	.22	....
100. St. Louis University	Missouri	5,543	.24	.86	.80	.45	.66

[a] Main university only.

[b] All medical degree data are shown in the figures for University of Texas Central System.

R. & D. funds; Federal obligations rose to $86 million in 1967 from $73 million in 1966, due primarily to the $12 million increase from the Department of Defense. Despite a smaller total of R. & D. support, the University of Michigan remained second, receiving $41 million. The nearly $7 million decrease from DOD was partially offset by increases from the Department of Health, Education, and Welfare, and the National Science Foundation. There were only four new entries on the top-100 list: St. Louis University, University of California at Riverside, University of Massachu-

TABLE 15.—*Total Federal and academic science obligations to universities and colleges receiving the largest amounts, ranked in various groups, 1967*

Number of institutions (ranked in total Federal obligations)	Percent of total Federal obligations	Percent of academic science obligations
Total, all institutions	100.00	100.00
First 10	17.72	23.06
Second 10	11.47	14.38
Third 10	8.48	9.62
Fourth 10	6.97	7.57
Fifth 10	5.97	6.62
First 50	50.61	61.26
Second 50	18.20	19.22
First 100	68.81	80.47
Second 100	13.38	11.80
First 200	82.19	92.28
All other	17.81	7.72

setts, and Kansas State University. Within the top 10, there was one change from 1966: the University of Wisconsin at Madison displaced the University of Pennsylvania in 10th place.

Federal Obligations to 2-Year Institutions

The 2-year institutions considered in this section are those listed in *Opening Fall Enrollment in Higher Education, 1966*, published by the Office of Education. They are included in the information on total Federal obligations and are listed with the other institutions in appendix table B-4, with total amounts received, by agency, in 1967. These institutions have been accredited or approved by a nationally recognized accrediting agency, by a State department of education, or by a State university. Institutions that are branches or components of other institutions are not considered as separate institutions here or in the OE listing.[2]

The 2-year institution is unique in the higher education system in the United States. It provides additional educational opportunities at a time when 4-year institutions are not readily able to absorb larger enrollments. It offers three types of programs: transfer, terminal, and continuing education. Many of the terminal programs are specialized and are designed for specific occupations. The terms "junior college" and "non-degree-granting institution" are often used interchangeably with "2-year institution." Many of the recently established community colleges are 2-year institutions; they enable students to enter with only a minimum fee. Because communities have vastly different needs, 2-year colleges have developed in a variety of institutional types, including independent junior colleges, 2-year colleges in large city systems, junior colleges in multicampus districts, and technical colleges or institutes. These institutions numbered 755 in fall 1966, and enrollment reached more than 1 million—one-fifth of the total number of students enrolled in institutions of higher education.[3] The American Association of Junior Colleges has predicted that the enrollments will reach 3 million by 1972.[4]

Federal obligations to 2-year institutions amounted to more than $117 million in 1967. A total of 629 institutions located in 46 States, the District of Columbia, Puerto Rico, and the Virgin Islands shared in this support. (See table 17.) [5] When compared to total Federal obligations to all universities and colleges, the amount to 2-year schools represented 3.5 percent of total funds. The number of 2-year institutions receiving support was 31 percent of all recipient universities and colleges.

Academic science obligations amounted to more than $23 million, one-fifth of total support to 2-year institutions in 1967. Within academic science, the "other" science activities accounted for almost $22 million, or over 92 percent. This was a result of emphasis placed on support of education in the sciences. R. & D. funds to 2-year schools were less than $2 million in 1967; R. & D. plant support was only $108,000.

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[2] Although the data reported in the CASE data-collection system include additional 2-year institutions, only those designated by OE as 2-year institutions are dealt with in this section. As a result, 91 2-year institutions were reported to CASE as receiving Federal support in 1967 but were not specifically designated by OE as 2-year institutions. Most of them were components of other institutions of higher education and, hence, did not have separate status. For example, the University of Wisconsin's 2-year campuses received Federal funds in 1967, but they were not listed by OE as separate, 2-year institutions. In total, these 91 institutions received $13.2 million in 1967, $2.4 million in academic science obligations and $10.8 million in nonscience activities. In other sections of this report, however, the sums are included with the amounts reported by the agencies, and the institutions are listed in app. table B-4.

[3] Department of Health, Education, and Welfare, Office of Education, *Opening Fall Enrollment in Higher Education, 1966*. Washington, D.C. 20402: Supt. of Documents, U.S. Government Printing Office, 1966.

[4] *1968 Junior College Directory*. Washington, D.C.: American Association of Junior Colleges, 1968.

[5] In addition, three "central systems" in California received Federal obligations in 1967.

TABLE 16.—*Federal obligations for research and development to the 100 universities and colleges receiving the largest amounts, by agency, 1967*

[Dollar amounts in thousands]

Institution (in order of R. & D. obligations)	State	Amount	Percent of U.S. total	Percent of Ph. D. degrees in the sciences and engineering, 1965–66	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation
Total, for 100 universities and colleges	...	$1,166,247	88.08	89.52	$47,871	$84,396	$3,260	$236,012	$506,976	$16,113	$100,645	$170,974
1. Massachusetts Institute of Technology	Mass.	85,755	6.48	3.10	...	3,525	36	47,151	5,723	309	24,638	4,373
2. University of Michigan	Mich.	41,126	3.11	2.44	...	2,473	121	13,111	15,916	677	3,758	5,070
3. Columbia University ᵃ	N.Y.	35,863	2.71	1.96	...	4,382	45	11,455	14,098	49	1,006	4,828
4. Harvard University	Mass.	35,055	2.65	2.06	...	516	81	4,414	20,668	212	4,202	4,962
5. University of Illinois	Ill.	34,403	2.60	3.50	1,813	4,425	23	12,313	10,368	354	953	4,154
6. University of California—Berkeley	Calif.	33,034	2.49	4.06	2,582	645	68	7,146	11,479	825	4,533	5,756
7. Stanford University	Calif.	32,747	2.47	2.31	...	676	59	11,648	11,585	290	3,195	5,294
8. University of California—Los Angeles	Calif.	32,483	2.45	1.62	...	3,736	21	6,757	14,827	273	2,792	4,077
9. University of Chicago	Ill.	27,438	2.07	1.61	66	4,397	101	2,828	11,326	...	2,282	6,438
10. University of Wisconsin—Madison	Wis.	27,327	2.06	3.05	1,580	2,945	750	357	14,146	410	2,823	4,316
11. Cornell University	N.Y.	26,618	2.01	2.15	1,781	1,553	84	6,935	10,267	397	678	4,923
12. University of Minnesota	Minn.	24,809	1.87	1.04	1,769	2,040	...	2,504	12,947	287	3,035	2,227
13. University of Washington	Wash.	23,554	1.78	1.50	122	2,544	1	2,932	12,161	1,142	622	4,030
14. University of Pennsylvania	Pa.	22,580	1.71	1.38	20	299	...	4,895	13,553	209	342	3,262
15. Johns Hopkins University	Md.	22,116	1.67	.92	...	978	25	3,378	15,678	54	525	1,478
16. New York University	N.Y.	21,210	1.60	1.69	96	2,447	89	2,876	13,417	26	763	1,496
17. Yale University	Conn.	19,898	1.50	1.35	31	3,120	...	2,283	10,598	100	564	3,202
18. University of Maryland	Md.	17,342	1.31	1.05	790	1,291	140	3,357	5,308	210	2,160	4,086
19. Duke University	N.C.	15,988	1.21	.87	7	748	...	2,615	9,468	144	268	2,738
20. Princeton University	N.J.	15,658	1.18	1.51	...	1,027	...	5,007	1,634	...	4,662	3,328
21. Washington University	Mo.	14,984	1.13	.54	...	380	1	1,485	11,384	...	448	1,286
22. University of California—San Diego	Calif.	14,258	1.08	.23	...	1,678	14	3,042	2,426	...	1,476	5,422
23. University of Texas—Austin	Tex.	14,042	1.06	2.05	...	766	4	4,355	2,155	...	1,533	5,229
24. California Institute of Technology	Calif.	14,017	1.06	.92	...	2,638	...	4,147	2,851	155	1,801	2,425
25. University of Rochester	N.Y.	13,525	1.02	.68	...	4,492	...	1,388	5,096	...	251	2,298
26. Ohio State University	Ohio	12,506	.95	1.87	1,842	582	...	2,009	5,767	227	435	1,644
27. University of Colorado	Colo.	12,390	.94	1.00	...	832	351	2,780	5,767	48	740	1,872
28. Indiana University	Ind.	12,331	.93	1.30	...	184	...	647	6,357	...	84	5,050
29. University of Pittsburgh	Pa.	12,226	.92	.85	...	582	5	1,575	7,709	123	795	1,437
30. Yeshiva University	N.Y.	12,225	.92	.27	...	...	...	222	10,807	75	95	936
31. University of Miami	Fla.	11,643	.88	.16	...	118	121	2,945	5,622	336	466	2,035
32. University of California—San Francisco	Calif.	11,637	.88	.20	...	454	...	364	10,083	...	42	94
33. Northwestern University	Ill.	11,380	.86	1.18	68	331	...	2,264	5,563	114	1,033	2,007
34. Purdue University	Ind.	11,236	.85	2.50	1,854	1,291	5	1,626	3,028	262	724	2,446
35. University of Southern California	Calif.	10,784	.81	.58	...	406	...	1,578	6,996	110	638	1,056

See footnote at end of table.

TABLE 16.—*Federal obligations for research and development to the 100 universities and colleges receiving the largest amounts, by agency, 1967*—Continued

[Dollar amounts in thousands]

Institution (in order of R. & D. obligations)	State	Amount	Percent of U.S. total	Percent of Ph. D. degrees in the sciences and engineering, 1965-66	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation
36. University of North Carolina—Chapel Hill	N.C.	$10,730	.81	.71	----------	$282	----------	$794	$5,413	$280	$49	$3,912
37. Michigan State University	Mich.	10,398	.79	1.68	$1,926	1,764	----------	764	3,740	194	90	1,920
38. University of Alabama	Ala.	10,139	.77	.16	46	----------	----------	504	7,877	----------	1,431	281
39. Baylor University	Tex.	9,919	.75	.19	93	----------	----------	200	8,878	79	531	138
40. Western Reserve University	Ohio	9,549	.72	.42	----------	507	----------	557	7,955	116	30	384
41. University of California—Davis	Calif.	9,464	.71	.92	----------	2,452	----------	194	4,653	254	374	1,537
42. University of Iowa	Iowa	9,337	.71	.84	----------	14	----------	402	6,028	27	1,973	893
43. Pennsylvania State University	Pa.	9,079	.69	1.43	1,996	516	$ 116	2,038	1,891	219	680	1,623
44. University of Florida	Fla.	9,031	.68	1.07	1,045	484	----------	1,417	4,460	290	602	733
45 Vanderbilt University	Tenn.	8,671	.65	.50	----------	136	----------	112	5,705	83	81	2,554
46. Tulane University	La.	8,343	.63	.46	----------	45	----------	479	7,118	26	58	617
47. Rutgers, The State University	N.J.	8,283	.63	.96	838	169	----------	630	3,863	384	506	1,893
48. University of Utah	Utah	8,274	.62	.73	15	971	----------	1,756	4,593	38	184	717
49. University of Hawaii	Hawaii	8,211	.62	.25	475	598	52	922	2,502	122	1,860	1,680
50. University of Oregon	Oreg.	8,108	.61	.55	----------	332	----------	609	5,410	----------	290	1,467
51. University of Tennessee	Tenn.	7,995	.60	.58	1,510	1,382	----------	949	3,052	100	570	432
52. Carnegie Institute of Technology	Pa.	7,817	.59	.73	----------	1,903	----------	2,091	641	35	56	3,091
53. University of Kansas	Kans.	6,912	.52	.74	----------	410	----------	463	4,300	190	452	1,007
54. George Washington University	D.C.	6,609	.50	.22	----------	3	16	1,713	3,560	----------	1,142	175
55. Rice University	Tex.	6,605	.50	.49	----------	790	----------	892	647	----------	3,765	511
56. University of Notre Dame	Ind.	6,496	.49	.50	----------	1,270	----------	678	731	25	151	3,641
57. University of Kentucky	Ky.	6,460	.49	.27	2,603	163	----------	217	2,668	88	257	464
58. University of Arizona	Ariz.	6,387	.48	.76	886	330	6	1,514	919	460	809	1,463
59. Brown University	R.I.	6,327	.48	.75	----------	648	----------	2,177	1,930	----------	318	1,254
60. State University of New York—Buffalo	N.Y.	6,294	.48	.55	----------	116	----------	160	4,910	----------	136	972
61. Syracuse University	N.Y.	6,256	.47	.67	----------	307	3	2,726	1,515	446	122	1,137
62. Colorado State University	Colo.	6,181	.47	.32	926	242	364	518	1,925	620	859	727
63. North Carolina State University—Raleigh	N.C.	6,038	.46	.84	2,362	318	----------	138	2,088	153	363	616
64. Oregon State University	Oreg.	5,817	.44	.92	987	674	----------	309	1,728	661	155	1,303
65. University of Missouri—Columbia	Mo.	5,529	.42	.86	1,550	168	6	406	2,333	177	237	652
66. Iowa State University	Iowa	5,487	.41	1.73	1,746	508	23	1,019	1,323	176	99	593
67. M.D. Anderson Hospital and Tumor Inst.	Tex.	5,404	.41	----------	----------	----------	----------	52	5,162	----------	190	----------
68. Texas A&M University—College Station	Tex.	5,325	.40	1.09	2,592	296	25	602	929	72	372	437
69. University of Georgia	Ga.	5,224	.29	.44	1,795	374	----------	802	1,198	172	31	852
70. University of Virginia	Va.	5,192	.39	.46	----------	651	----------	557	2,286	45	773	880

71. Rockefeller University	N.Y.	4,981	.38	.16	...	47	...	77	4,179	...	...	678
72. Florida State University	Fla.	4,937	.37	.49	42	1,121	161	913	1,513	135	217	835
73. Emory University	Ga.	4,885	.37	.16	...	66	...	35	4,351	...	282	151
74. Wayne State University	Mich.	4,801	.36	.50	...	149	...	308	2,945	...	26	1,373
75. Boston University	Mass.	4,757	.36	.39	114	9	...	393	3,850	...	50	341
76. Temple University	Pa.	4,690	.35	.18	...	135	...	238	3,806	...	171	340
77. Case Institute of Technology	Ohio	4,655	.35	.41	...	1,092	...	699	1,058	278	639	889
78. University of Cinicinnati	Ohio	4,435	.33	.33	...	38	...	1,373	2,630	110	170	114
79. Tufts University	Mass.	4,375	.33	.07	...	513	...	582	2,677	...	31	572
80. University of Alaska	Alaska	4,256	.32	.03	401	202	37	1,636	510	282	342	846
81. West Virginia University	W. Va.	4,117	.31	.29	950	152	...	365	1,682	112	124	732
82. University of Denver	Colo.	4,115	.31	.07	...	57	14	2,973	268	157	210	436
83. University of Oklahoma	Okla.	4,051	.31	.77	81	108	162	888	2,209	165	115	323
84. Washington State University	Wash.	4,023	.30	.60	1,192	293	...	403	1,180	347	11	597
85. University of Arkansas	Ark.	3,996	.30	.16	1,340	278	...	67	1,790	142	47	332
86. Brandeis University	Mass.	3,976	.30	.29	...	324	...	432	1,855	...	50	1,315
87. University of Nebraska	Nebr.	3,899	.29	.58	1,169	136	...	32	1,612	88	...	862
88. University of Dayton	Ohio	3,868	.29	...	...	...	...	3,762	62	...	...	44
89. New York Medical College	N.Y.	3,841	.29	...	...	...	...	152	3,643	...	7	39
90. Oklahoma State University	Okla.	3,818	.29	.96	1,055	45	82	777	923	272	276	388
91. Louisiana State University—New Orleans	La.	3,651	.28	...	1,133	219	...	98	1,611	...	481	109
92. Rensselaer Polytechnic Institute	N.Y.	3,619	.27	.64	...	1,002	...	636	392	57	919	613
93. New Mexico State University	N. Mex.	3,508	.26	.07	551	...	...	401	176	324	1,830	226
94. Downstate Medical Center	N.Y.	3,476	.26	.05	...	...	...	...	3,446	...	...	30
95. St. Louis University	Mo.	3,371	.25	.26	...	...	30	440	2,665	...	42	194
96. University of New Mexico	N. Mex.	3,256	.25	.22	4	49	14	1,265	903	...	315	706
97. University of California—Riverside	Calif.	3,237	.24	.35	...	499	...	360	1,691	...	17	670
98. Polytechnic Institute of Brooklyn	N.Y.	3,202	.24	.64	...	71	...	2,284	435	95	125	192
99. University of Massachusetts	Mass.	3,161	.24	.58	795	205	...	314	962	161	70	654
100. Kansas State University	Kans.	3,121	.24	.73	1,232	62	4	269	553	438	120	443

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[a] Main university only.

TABLE 17.—*Geographic distribution of Federal obligations to 2-year institutions, by type of program, fiscal year 1967*

[Thousands of dollars]

Division and State	Number of institutions receiving support	Total Federal obligations	Academic science obligations	Nonscience activities
United States, total	629	$117,068	$23,333	$93,735
New England	44	8,799	2,703	6,096
Maine	----	----	----	----
New Hampshire	2	102	22	80
Vermont	3	622	142	480
Massachusetts	30	6,725	2,306	4,419
Rhode Island	3	738	109	629
Connecticut	6	612	124	488
Middle Atlantic	81	19,100	3,696	15,404
New York	52	12,367	2,554	9,813
New Jersey	11	3,005	463	2,542
Pennsylvania	18	3,728	679	3,049
East North Central	76	13,172	2,584	10,588
Ohio	6	775	163	612
Indiana	1	581	101	480
Illinois	26	3,602	832	2,770
Michigan	29	6,441	1,208	5,233
Wisconsin	14	1,773	280	1,493
West North Central	80	12,849	2,043	10,806
Minnesota	16	1,941	299	1,642
Iowa	19	2,522	408	2,114
Missouri	15	4,082	714	3,368
North Dakota	5	226	39	187
South Dakota	1	436	1	435
Nebraska	5	1,096	182	914
Kansas	19	2,546	400	2,146
South Atlantic	98	20,514	4,164	16,350
Delaware	1	14	3	11
Maryland	14	2,547	416	2,131
District of Columbia	2	16	4	12
Virginia	5	1,910	409	1,501
West Virginia	2	51	12	39
North Carolina	24	6,090	1,320	4,770
South Carolina	7	1,696	390	1,306
Georgia	14	2,681	535	2,146
Florida	29	5,509	1,075	4,434
East South Central	55	10,873	2,309	8,564
Kentucky	6	671	181	490
Tennessee	9	922	215	707
Alabama	17	5,686	1,252	4,434
Mississippi	23	3,594	661	2,933
West South Central	59	9,536	1,783	7,753
Arkansas	3	202	39	163
Louisiana	----	----	----	----
Oklahoma	14	2,146	335	1,811
Texas	42	7,188	1,409	5,779
Mountain	23	4,977	773	4,204
Montana	2	42	10	32
Idaho	2	811	128	683
Wyoming	4	328	63	265
Colorado	7	1,677	233	1,444
New Mexico	1	222	34	188
Arizona	6	1,290	214	1,076
Utah	1	607	91	516
Nevada	----	----	----	----
Pacific	111	16,438	3,150	13,288
Washington	19	2,768	498	2,270
Oregon	12	1,918	333	1,585
California	79	11,724	2,316	9,408
Alaska	1	28	3	25
Hawaii	----	----	----	----
Puerto Rico and Virgin Islands	2	810	128	682

Federal obligations to 2-year institutions for nonscience activities were $94 million in 1967, accounting for 80 percent of the total. The Office of Education provided most of this amount through programs aiding vocational education, as well as the construction of new facilities.

The South Atlantic division was the largest recipient of Federal support to 2-year institutions; the 98 institutions in this division received $21 million, almost 18 percent of the total in 1967. This contrasts with a lower percentage of total funds received by all universities and colleges in this division in 1967. The Middle Atlantic division was the second-largest recipient with $19 million obligated to 81 2-year institutions. The Pacific division had the largest number of recipient 2-year institutions—a total of 111, with 79 of them located in California; this division received $16 million in 1967.

V. Federally Funded Research and Development Centers

FEDERALLY Funded Research and Development Centers (FFRDC's) administered by universities and colleges received from Federal agencies $908 million in fiscal year 1967 (table 18). These centers, formerly called Federal Contract Research Centers (FCRC), receive all or a substantial part of their support from the Federal Government to perform activities or manage programs that are primarily concerned with research and development and are considered beyond the capabilities of any single established organization. Although these FFRDC's function as relatively autonomous components of the university establishment, some centers make important contributions to the educational and research activities of the parent institution.

The establishment of FFRDC's was an outgrowth of World War II demands of the Federal Government for highly qualified talent to conduct scientific investigations on projects related to military objectives. At that time, neither Federal agencies nor universities were prepared, in terms of personnel and facilities, to undertake the special assignments that were largely concerned with the development of the atomic bomb. Most of the centers were, and continue to be, established at or near universities where they could draw upon the available scientific and technical manpower.

The range of interests of these centers is quite large and their activities involve essentially all the major fields of science. Not only does their work materially affect many of the critical national programs, but it also exerts an important influence on the progress of academic science. A list of such activities undertaken by FFRDC's would include projects such as the following:

Jet Propulsion Laboratory—in California, work involving the development of unmanned lunar and space exploration, including early exploration of planets with automated spacecraft.

Lawrence Radiation Laboratory—in California, studies of controlled thermonuclear reactors to generate energy through fusion of light nuclei and important contributions toward improving the efficiency of nuclear weapons.

Los Alamos Scientific Laboratory—in New Mexico, largely concerned with weapons development, also research in rocket propulsion, reactor technology, and physical research in the medium-energy region.

TABLE 18.—*Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, 1963–67*

Location and name	Federal obligations (thousands of dollars)					Sponsoring agency	Administered by—
	1963	1964	1965	1966	1967		
Total	$814,082	$862,353	$895,287	$917,631	$907,549		
Arizona:							
Kitt Peak National Observatory [a]	3,750	4,400	6,915	5,791	5,485	NSF	Association of Universities for Research in Astronomy, Inc.
Cerro Tololo Inter-American Observatory (Chile). [a]	1,100	1,100	1,465	1,471	1,713	NSF	Association of Universities for Research in Astronomy, Inc.
California:							
Jet Propulsion Laboratory [b]	230,168	226,194	245,094	230,091	222,169	NASA	California Institute of Technology
Stanford Linear Accelerator Center	16,193	24,122	43,943	50,969	30,891	AEC	Stanford University
Lawrence Radiation Laboratory	162,854	169,424	156,254	169,870	174,661	AEC	University of California
Center for Research and Development in Higher Education					849	HEW(OE)	University of California
Center for the Study of the Evaluation of Instructional Programs					534	HEW(OE)	University of California
Stanford Center for Research and Development in Teaching					797	HEW(OE)	Stanford University
Colorado:							
National Center for Atmospheric Research [a]	6,019	10,036	8,941	11,791	16,576	NSF	University Corporation for Atmospheric Research

See footnotes at end of table.

TABLE 18.—*Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, 1963–67*—Continued

Location and name	Federal obligations (thousands of dollars)					Sponsoring agency	Administered by—
	1963	1964	1965	1966	1967		
District of Columbia:							
Center for Research in Social Systems	$947	$934	$1,843	$1,808	$1,936	DOD(Army)	American University
Georgia:							
Research and Development Center in Educational Stimulation	---------	---------	---------	---------	732	HEW(OE)	University of Georgia
Illinois:							
Argonne National Laboratory [c]	74,947	84,507	86,329	87,255	97,262	AEC	University of Chicago and Argonne Universities Association
Iowa:							
Ames Laboratory	6,549	7,360	8,464	9,089	9,371	AEC	Iowa State University of Science and Technology
Maryland:							
Applied Physics Laboratory	42,096	49,124	54,097	52,491	47,172	DOD(Navy)	Johns Hopkins University
Massachusetts:							
Cambridge Electron Accelerator	5,946 2,632	5,717 3,424	5,851 3,792	6,130 3,517	6,786 3,596	AEC	Harvard University Massachusetts Institute of Technology
Lincoln Laboratory	70,606	78,764	68,683	64,060	66,989	DOD(Air Force)	Massachusetts Institute of Technology
Center for Research and Development in Educational Differences [d]	---------	---------	---------	1,112	1,165	HEW(OE)	Harvard University
New Jersey:							
Plasma Physics Laboratory	7,542	8,268	6,997	6,556	6,572	AEC	Princeton University
Princeton-Pennsylvania Accelerator	6,224 881	5,500 1,790	7,521 1,982	8,825 1,801	7,971 1,775	AEC	Princeton University University of Pennsylvania
New Mexico:							
Los Alamos Scientific Laboratory	93,020	97,680	94,636	103,311	102,213	AEC	University of California
New York:							
Brookhaven National Laboratory [a]	59,180	58,619	63,564	64,407	64,160	AEC	Associated Universities, Inc.
Hudson Laboratory	3,780	3,939	4,195	4,673	4,708	DOD(Navy)	Columbia University
Oregon:							
Center for the Advanced Study of Educational Administration	---------	509	534	663	676	HEW(OE)	University of Oregon
Pennsylvania:							
Ordnance Research Laboratory	3,763	4,827	7,025	9,597	8,120	DOD(Navy)	Pennsylvania State University
Learning Research and Development Center	---------	---------	754	642	1,309	HEW(OE)	University of Pittsburgh
Tennessee:							
Oak Ridge Associated Universities [a]	4,291	5,059	5,695	6,168	5,620	AEC	Oak Ridge Associated Universities
Texas:							
Research and Development Center in Teacher Education	---------	---------	---------	---------	763	HEW(OE)	University of Texas
Virginia:							
Human Resources Research Office	2,794	3,081	3,382	2,752	2,853	DOD(Army)	George Washington University
Space Radiation Effects Laboratory	---------	---------	---------	729	1,815	NASA	College of William and Mary
Washington:							
Applied Physics Laboratory	3,200	2,275	2,178	5,145	2,836	DOD(Navy)	University of Washington
West Virginia:							
National Radio Astronomy Observatory [a]	4,550	4,600	3,380	4,719	5,062	NSF	Associated Universities, Inc.
Wisconsin.							
Army Mathematics Research Center	1,050	1,100	1,273	1,390	1,378	DOD(Army)	University of Wisconsin
Center for Research and Development for Learning and Re-Education	---------	---------	500	808	1,034	HEW(OE)	University of Wisconsin

[a] One of six administered by university consortia.

[b] Includes amounts subcontracted principally to industrial firms for performance, as follows: 1963, $107 million; 1964, $145 million; 1965, $163 million; 1966, $144 million; 1967, $119 million.

[c] Administered by both university and consortium.

[d] Discontinued July 1, 1967.

Argonne National Laboratory—in Illinois, research in high-energy physics using the zero gradient synchrotron, somatic effects of radiation, and engineering of liquid metal fast breeder reactors.

Lincoln Laboratory—in Massachusetts, defense and other military problems involving ballistic missile defense and offense, radar discrimination, satellite communication, and identification of underground nuclear tests.

Applied Physics Laboratory—in Maryland, includes research in such areas as naval surface-launched missiles and missile systems and Navy satellite navigation technology.

National Center for Atmospheric Research—in Colorado, problems of social concern involving long-range weather prediction, weather control, and air pollution.

Learning Research and Development Center—in Pennsylvania, the scientific study of learning and the development of instructional materials and procedures.

As the needs of the Federal Government have changed, so has the universe of FFRDC's. The most recent additions, for example, include centers created under the sponsorship of the Office of Education to conduct research on modern educational problems and to develop methods to improve the educational process. Changes also occur for reasons that essentially have to do with administrative control, funding level, or primary mission.

Because the identification of FFRDC's is the responsibility of the sponsoring agency, certain problems of uniform identification have developed in the past. As a result, an interagency task force was established on January 10, 1967, by the Committee on Academic Science and Engineering (CASE) of the Federal Council of Science and Technology (FCST) to develop criteria for Government-wide classification of FFRDC's and procedures for maintaining a master listing of these centers. After adopting the new criteria, a master list of FFRDC's was prepared and the name was changed from Federal Contract Research Centers to Federally Funded Research and Development Centers to convey the fact that the activities of the centers involved more than research. The criteria adopted concern all FFRDC's managed by universities and colleges, nonprofit institutions, and industrial firms. The task force defined the types of activity and general organizational structure of an FFRDC and established additional criteria in such areas as management and control, level of Federal support, ownership of facilities, and agency-center relationships.

It was recognized by the interagency task force that FFRDC's administered by institutions of higher education generally fall into two categories. One is the "mission-oriented" center, an organizational subunit that is performing research and development or R. & D. management upon the request of the Government. The other is the "large research facility," an installation that may be a national facility and is staffed so that few, if any, scientific and professional personnel are involved in any teaching or graduate training function.

It was also recognized that, although all the centers have sufficient similar characteristics to identify them all under the single general term FFRDC, they do have in many instances significant differences in terms of management, functions, types of activity, levels of funding, areas of primary emphasis, and of course the sponsoring agencies.

Centers differ also with regard to their emphasis on basic research, applied research, and development. Although data concerning types of R. & D. activities for each center are not available in this study, a recent NSF survey shows that most of AEC's budget for FFRDC's was used in almost equal amounts for basic research and development; of DOD and HEW, largely for applied research; of NASA, mostly for basic research; and of NSF, virtually all for basic research.[1] These data include not only the support of centers sponsored by each agency but also funds for centers sponsored by other agencies. An agency's support for individual centers did not always reflect the same degree of emphasis on type of activity. For example, AEC's Stanford Linear Accelerator Center and the Princeton-Pennsylvania Accelerator are not involved in development activities but are mostly if not exclusively doing basic research, whereas the Los Alamos Scientific Laboratory is doing mostly development.

Another difference among FFRDC's is the practice of some centers, such as the Jet Propulsion Laboratory, to subcontract to industrial firms and other research organizations outside the university sector.

Some FFRDC's continue to carry out mission-oriented work, much of which is classified for security reasons. Others such as the Oak Ridge Associated Universities, which receives most of its Federal support for "other" scientific activities, are assuming many of the characteristics of educational institutions.

Although all of the centers have developed a special relationship with academic institutions, it varies both in degree and kind. It ranges from one which is essentially an administrative-managerial relationship to those involving joint faculty appointments for staff members, programs providing research opportunities, training, facilities, and employment for the faculty and students of co-operating universities and colleges. Some centers outside the university sector, such as Oak Ridge National Laboratory (managed by an industrial firm), also provide special programs for research and research training for faculty and graduate students from institutions throughout the country.

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[1] National Science Foundation, *Federal Funds for Research, Development, and Other Scientific Activities, Fiscal Years 1967, 1968, and 1969*, vol. XVII, NSF 68-27. Washington, D.C. 20402: Supt. of Documents, U.S. Government Printing Office, 1968.

The implementation of the new criteria led to the deletion of some centers and the inclusion of others. The Apollo Guidance Center at the Massachusetts Institute of Technology, the Naval Arctic Research Laboratory at the University of Alaska, and the Navy Biological Laboratory at the University of California are no longer classified as FFRDC's but are included in this report as part of the parent institutions. The new additions include nine university centers funded by the Office of Education (Department of Health, Education, and Welfare), the Cerro Tololo Inter-American Observatory in Chile sponsored by the National Science Foundation, and the Space Radiation Effects Laboratory funded by the National Aeronautics and Space Administration.

Federal Science Obligations to FFRDC's, 1967

The 33 FFRDC's managed by universities and colleges received $908 million in 1967 (table 19). Of this amount, 88 percent was allocated for R. & D. projects related to agency missions; 11 percent, for R. & D. plant and facilities in support of these projects; and the remainder, for "other" science activities.

Among the seven Federal departments and agencies sponsoring university-managed FFRDC's the Atomic Energy Commission accounted for over one-half of the funds obligated in 1967, primarily through its support to three centers: Lawrence Radiation Laboratory ($175 million), Los Alamos Scientific Laboratory ($102 million), and Argonne National Laboratory ($97 million). NASA obligated $222 million in 1967 to the Jet Propulsion Laboratory, the smallest amount reported since 1963, for its work on projects involving space exploration with unmanned spacecraft. Although this was the largest amount reported for a single university-managed FFRDC, over half of the funds ($119 million) were transferred to industrial firms holding subcontracts. Together, AEC and NASA accounted for more than four-fifths of all Federal funds obligated to university-managed FFRDC's in 1967.

Of the 33 FFRDC's managed by universities and colleges, 26 were administered by 21 individual universities, six by four consortia, and one jointly by a university and a consortium. The latter is Argonne National Laboratory, administered by the University of Chicago until November 1966, when the terms of a new contract placed it under the joint management of the University and Argonne Universities Association.

TABLE 19.—*Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, by agency and type of program, 1967*

[Thousands of dollars]

Agency	Total obligations	R. & D.	R. & D. plant	Other science
Total, all agencies	$907,549	$800,798	$101,755	$4,996
Atomic Energy Commission	510,878	411,377	94,519	4,982
Department of Defense	135,992	135,985	7	--------
Army	6,167	6,167	--------	--------
Navy	62,836	62,836	--------	--------
Air Force	66,989	66,982	7	--------
Department of Health, Education, and Welfare:				
Office of Education	7,859	7,859	--------	--------
National Aeronautics and Space Administration	223,984	221,420	2,564	--------
National Science Foundation	28,836	24,157	4,665	14

All but $14,000 of the $5 million in "other" science activities was awarded to FFRDC's engaged in atomic energy programs. The two largest amounts went to Oak Ridge Associated Universities ($3 million) and Argonne National Laboratory ($1 million). These funds went chiefly for research training and graduate education.

The $10 million net decrease in total obligations from 1966 resulted from a rise of $17 million in research and development and declines of $26 million and $1 million in R. & D. plant and other science activities (table 20). Behind these changes in the overall level of funding are several fluctuations in the budgets of individual centers, caused by completion of existing programs and initiation and expansion of new ones. The completion of the 20-bev linear accelerator at AEC's Stanford Linear Accelerator Center in 1966 resulted in a $26 million drop in R. & D. plant support and an $8 million rise in R. & D. funds. This rise in R. & D. support was counterbalanced by an $8 million reduction in NASA's R. & D. support to the Jet Propulsion Laboratory, largely a result of the end of the Surveyor and Lunar Orbiter programs.

Among the FFRDC's showing an overall gain between 1966 and 1967, AEC's Argonne National

TABLE 20.—*Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, by type of program, 1963–67*

[Millions of dollars]

Program	1963	1964	1965	1966	1967
Total	$814.1	$862.4	$895.3	$917.6	$907.5
Research and development	668.9	732.3	744.1	784.2	800.8
R. & D. plant	138.9	122.5	141.7	127.6	101.8
Other science activities	6.4	7.5	9.4	5.8	5.0

Laboratory led with an increase of $10 million, $6 million of which was allocated to construct a 12-foot bubble chamber to be used with a zero gradient synchrotron in high-energy physics research.

More than 90 percent of the $102 million obligated for R. & D. plant was reported for AEC-sponsored centers, with about 78 percent going to Lawrence Radiation Laboratory, Argonne National Laboratory, Stanford Linear Accelerator Center, and Brookhaven National Laboratory. These centers received funds for R. & D. plant ranging from $16 million to $25 million.

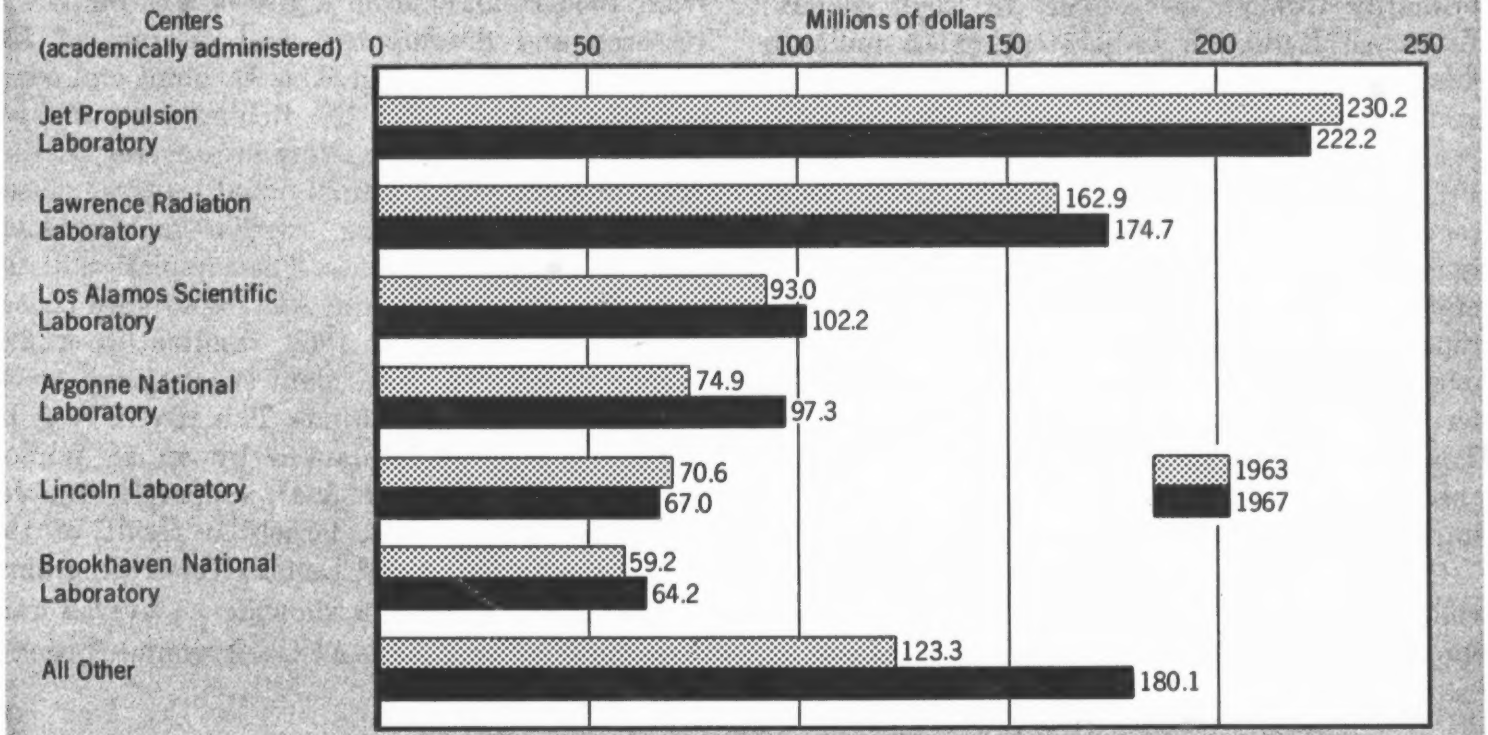
Trends in Federal Support—Influence of Largest Centers

For the period 1963–67, total support to FFRDC's grew at an average annual rate of nearly 3 percent. However, the trend of total Federal obligations to all FFRDC's was heavily influenced by the relatively stable funding of six FFRDC's receiving more than $60 million each in 1967 (chart 3). This group is composed of Jet Propulsion Laboratory, Lawrence Radiation Laboratory, Los Alamos Scientific Laboratory, Argonne National Laboratory, Lincoln Laboratory, and Brookhaven National Laboratory. FFRDC's combined showed a more rapid rate of growth during the period.

These large centers received $691 million in 1963 and $727 million in 1967. The $36 million increase represents an average annual growth of over 1 percent—a figure well below the nearly 10-percent average annual increase for the other FFRDC's—from $123 million in 1963 to $180 million in 1967. It is noteworthy also that these six large centers were in existence throughout the period; the "other" group includes nine centers established after 1963.

Although less than one-fifth of the FFRDC's accounted for more than four-fifths of Federal funds in 1967, it is likely that the next few years will see a continuation of the trend toward a wider dispersion of Federal allocations. As the newly formed centers develop and new ones emerge, they will claim an increasing share of total FFRDC obligations.

Chart 3
Federally Funded Research and Development Centers receiving the largest obligations, 1963 and 1967



Source: National Science Foundation

Appendices

APPENDIX A

Technical Notes

Concepts and Limitations

The dollar amounts shown in this report represent obligations to institutions of higher education incurred by eight Federal agencies. These data reflect actual obligations by the reporting agency during a fiscal year (July 1 to June 30) regardless of when funds were appropriated by Congress or when funds were spent by a recipient.[1] Data on agency obligations for each of the types of activities covered by this report are shown for the entire 1963–67 period; however, geographic data are given for the years 1963, 1966,[2] and 1967 only.

Certain allocations for financial assistance by Federal agencies were excluded from the study, notably repayable loans such as those made by the Office of Education for undergraduate and graduate construction and Federal agency support of employee training and development activities. Obligations were reported in amounts rounded to the nearest thousand dollars.

Amounts in this report represent obligations of funds to universities and colleges, including funds awarded through fiscal or other agents, such as university foundations. Data for individual institutions represent direct support from Federal agencies and do not make allowances for amounts subcontracted to or from other institutions. Consequently, the location of actual performance of obligated amounts cannot be identified if that performance takes place at some site other than that of the institution receiving direct support from Federal agencies. In cases of interagency transfer of funds, the agency that made the final distribution of the funds to academic institutions reported the obligations.

Federal agencies also made grants to an administrative center for a university system made up of several educational institutions at different locations. In many cases, the Federal funds given to the university system filter down to individual institutions. As a result, the amounts reported for such individual institutions may be understated. Since the final allocation of funds is not known at the time the award is made, the agencies report the funds as an award to the "central system."[3] "Central system" obligations in fiscal year 1967 have been reported for the following:

University and State College of Arizona System
California State College System
Peralta Junior College District System
San Diego Junior Colleges System
State Center Junior College District System
University of California System
Louisiana State University System
University of Missouri System
City University of New York System
State University of New York System
Union College and University System
University of North Carolina System
Texas A. & M. University System
University of Texas System
University of Wisconsin System
Wisconsin State University System
Mesa County Junior College District System
Columbia University System
University of Puerto Rico System

In seven of these university systems, obligations for 1966 and prior years to branches and campuses of institutions were not shown separately but were included with those for the parent institution. Barnard College of the Columbia University System is an example of one such branch that now has been reclassified to the "institution" level, and as such, funds obligated to Barnard College in 1967 are shown separately. The other six systems include:

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[1] Data for the Atomic Energy Commission were provided in terms of costs rather than obligations but are treated as substantially the same thing in this analysis.

[2] Data on fical year 1966 include an element of double counting for certain DOD obligations totaling approximately $30 million, distributed among 24 universities.

[3] In the two previous reports on Federal support to universities and colleges prepared by the National Science Foundation for the Office of Science and Technology, Federal grants to university "central systems" were generally reported as "all campus" grants. Data on Federal obligations to "central systems" are shown in app. table B-4. The two previous reports were: National Science Foundation, *Federal Support for Academic Science and Other Educational Activities in Universities and Colleges, Fiscal Year 1965* (NSF 66-30) (Washington, D.C. 20550), 1966; and *Federal Support to Universities and Colleges, Fiscal Years 1963–66* (NSF 67-14) (Washington, D.C. 20402: Supt. of Documents, U.S. Government Printing Office), 1967.

San Diego Junior Colleges System
Mesa County Junior College District System
Louisiana State University System
University of Missouri System
University of Texas System
University of Puerto Rico System

For the University of Minnesota the situation was reversed; i.e., the parts of the university that were formerly classified as separate institutions are now considered to be part of the university at the branch level. Consequently, in this report the branch data are summed into one institutional total under the entry, University of Minnesota.

Among the categories of support reported by Federal agencies, amounts shown for individual institutions may not always indicate the way the funds are actually spent by universities or colleges. For instance, the Department of Defense reported its entire obligations to universitites and colleges for research and development, although some of the funds were actually expended for plant and facilities.

Some of the obligations by Federal agencies under institutional grant programs for general or special purposes were included under the category "other scientific activities," although actual expenditure of these funds is spread among research and development, R&D plant, and other scientific activities. Again, it is extremely difficult to categorize the purposes for which such funds are expended because of the close functional relationship between research and education.

Relationship of the CASE Study to the *Federal Funds* Series

Both the CASE study and *Federal Funds for Research, Development and Other Scientific Activities*[4] obtain data on obligations by Federal agencies for research and development and R. & D. plant to universities and colleges and their associated Federally Funded Research and Development Centers. The CASE study is oriented toward obtaining information on total Federal support for individual institutions of higher education, while the *Federal Funds* study obtains data on research and development and R. & D. plant obligated by Federal agencies to all sectors of the economy, including universities and colleges. In *Federal Funds* the emphasis is on character of activity and field of science, rather than individual recipients.

In general, there is conformity of concepts and definitions used in the two studies. It should be noted, however, that data showing Federal obligations to universities and colleges compiled in the two studies do not and cannot conform in all respects. Information used in *Federal Funds* is based on the agencies' budgets which, of course, cannot show details on the recipient of funds. Also, since the CASE study covers eight Federal departments and agencies and *Federal Funds* obtains reports on a Government-wide basis, there is a difference representing the amounts obligated to universities and colleges by agencies not in the CASE study.

Among other differences is the fact that the National Institutes of Health reported its General Research Support Grants Program as research and development in *Federal Funds* and "other scientific activities" in the CASE study. Similar reporting differences occurred in the case of the National Aeronautics and Space Administration's Sustaining University Program. The National Science Foundation provided estimates to *Federal Funds* of amounts expended by universities for research and development and R. & D. plant from institution-based grants. For individual institutions of higher education, the allocation of funds from this program differs widely among various categories of support and, consequently, all of the Foundation's obligations for Institutional Grant Programs were reported as "other scientific activities" in the CASE study.

In cases of interagency transfers of funds, the present study instructs the agency that actually obligates funds to an academic institution to report the obligation. This, again, is because the study is oriented toward obtaining information on individual universities and colleges. In *Federal Funds*, on the other hand, agencies initiating the interagency transfers report the obligated amounts.

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[4] National Science Foundation, *Federal Funds for Research, Development, and Other Scientific Activities, Fiscal Years 1965, 1966, and 1967*, vol. XV, NSF 66-25. Washington, D.C. 20402: Supt. of Documents, U.S. Government Printing Office, 1966.

Definitions of Terms[5]

University or college consists of all parts of the academic institution—such as a college of liberal arts, professional school, hospital, school of agriculture, agricultural experiment station, etc.—except an associated Federally Funded Research and Development Center. Universities and colleges include all institutions of higher education in the United States that offer at least 2 years of college-level studies in residence. Included in this report are institutions listed in the Office of Education's *Education Directory, Part 3, Higher Education*, with the addition of some institutions that have applied for accreditation but have not yet received it. Institutions shown separately in the report are generally thought to possess a significant degree of autonomy with respect to their educational and administrative responsibilities. Thus, universities and colleges organized under systems (e.g., groups of institutions collectively having legal status and generally accorded recognition by a State, by a board of education, or other relevant organization) are shown as separate institutions in cases where significant autonomy exists. Obligations to branches and campuses of institutions are not shown separately but are included in the total for the parent institution. Obligations to service schools by the Department of Defense were excluded from the study.[6] Also excluded were funds awarded to the U.S. Department of Agriculture Graduate School.

Federally Funded Research and Development Centers in this report are organizational units associatedwith universities and colleges whose creation and operation are not primarily related to the main function of the administering universities and colleges. Generally, these units have been established to meet a particular R. & D. need of a Federal agency. New Government-wide criteria for identifying these centers have been developed by an interagency task force. To be classified as an FFRDC, an organization should:

(a) perform primarily one or more of the following: basic research, applied research, development, or management of research and development. Specifically excluded are organizations engaged primarily in: routine quality control and testing, routine service activities, production, mapping and surveys, and information dissemination.

(b) constitute a separate operational unit within the parent organization or be organized as a separately incorporated organization.

(c) perform actual research and development or R. & D. management either upon direct request of the Government or under a broad charter from the Government, but in either case under the direct monitorship of the Government.

(d) receive its major financial support (70 percent or more) from the Federal Government, usually from one agency.

(e) have or be expected to have a long-term relationship with its sponsoring agency (about 5 years or more), as evidenced by the specific obligations it and the agency assume.

(f) be established in the contract so that most or all of the facilities are owned or funded by the Government.

(g) have an average annual budget (operating and capital equipment) of at least $500,000.

As a result of the development of uniform criteria in identifying FFRDC's, the list of these centers has been revised since the publication of the last report. Those changes that affect data in this report are shown below:

Centers merged with administering university

State and name of center	*Sponsoring agency*	*Administering university*
Alaska—Naval Arctic Research Laboratory	DOD(Navy)	University of Alaska
California—Navy Biological Laboratory	DOD(Navy)	University of California at Berkeley
Massachusetts—Apollo Guidance Project	NASA	Massachusetts Institute of Technology

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[5] These definitions of terms were established by the Interagency Task Force of the Federal Council of Science and Technology's Committee on Academic Science and Engineering.

[6] The names and locations of service schools are: Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio (DOD); U.S. Air Force Academy, Colorado Springs, Colo. (DOD); U.S. Army Command General Staff College, Ft. Leavenworth, Kans. (DOD); U.S. Coast Guard Academy, New London, Conn. (Treasury); U.S. Merchant Marine Academy, New York, N.Y. (Commerce); U.S. Military Academy, West Point, N.Y. (DOD); U.S. Naval Academy, Annapolis, Md. (DOD). U.S. Naval Postgraduate School, Monterey, Calif. (DOD).

Centers added to list of FFRDC's associated with academic institutions in FY 1967

State and name of center	*Sponsoring agency*	*Administering university*
California—Center for Research and Development in Higher Education	HEW(OE)	University of California at Berkeley.
California—Center for the Study of the Evaluation of Instructional Programs	HEW(OE)	University of California at Los Angeles.
California—Stanford Center for Research and Development in Teaching	HEW(OE)	Stanford University.
Georgia—Research and Development Center in Educational Stimulation	HEW(OE)	University of Georgia.
Massachusetts—Center for Research and Development in Educational Differences.[7]	HEW(OE)	Harvard University.
Oregon—Center for the Advanced Study of Educational Administration	HEW(OE)	University of Oregon.
Pennsylvania—Learning Research and Development Center	HEW(OE)	University of Pittsburgh.
Texas—Research and Development Center in Teacher Education	HEW(OE)	University of Texas.
Virginia—Space Radiation Effects Laboratory	NASA	College of William and Mary.
Wisconsin—Center for Research and Development for Learning and Re-Education	HEW(OE)	University of Wisconsin.

Chapter V of this report lists 33 FFRDC's. Of these, 26 are administered by specified universities; six are managed solely by university consortia; and one, Argonne National Laboratory, is managed jointly by the University of Chicago and Argonne Universities Association. The institutions comprising the membership of the managing consortia are as follows:

Associated Universities, Inc.
- Columbia University
- Cornell University
- Harvard University
- Johns Hopkins University
- Massachusetts Institute of Technology
- University of Pennsylvania
- Princeton University
- University of Rochester
- Yale University

Association of Universities for Research in Astronomy, Inc.
- University of California
- University of Chicago
- Harvard University
- Indiana University
- University of Michigan
- Ohio State University
- Princeton University
- University of Texas
- University of Wisconsin
- Yale University

University Corporation for Atmospheric Research
- University of Alaska
- University of Arizona
- University of California
- University of Chicago
- Colorado State University
- University of Colorado
- Cornell University
- University of Denver

University Corporation for Atmospheric Research—Con.
- Florida State University
- University of Hawaii
- Johns Hopkins University
- University of Maryland
- Massachusetts Institute of Technology
- University of Michigan
- University of Minnesota
- New York University
- University of Oklahoma
- Pennsylvania State University
- St. Louis University
- Texas A. & M. University
- University of Texas
- University of Utah
- University of Washington
- University of Wisconsin

Oak Ridge Associated Universities
- University of Alabama
- University of Arkansas
- Auburn University
- Catholic University of America
- Clemson University
- Duke University
- Emory University
- Fisk University
- University of Florida
- Florida State University
- University of Georgia
- Georgia Institute of Technology
- University of Kentucky
- Louisiana State University
- University of Louisville
- University of Maryland
- Medical College of Virginia
- Meharry Medical College
- University of Miami
- University of Mississippi
- Mississippi State University
- University of North Carolina

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[7] This center was discontinued as of July 1, 1967.

Oak Ridge Associated Universities—Continued
North Carolina State University
North Texas State University
University of Oklahoma
University of Puerto Rico
Rice University
University of South Carolina
Southern Methodist University
University of Tennessee
University of Texas
Texas A. & M. University
Texas Christian University
Texas Women's University
Tulane University
Tuskegee Institute
Vanderbilt University
University of Virginia
Virginia Polytechnic Institute
West Virginia University
College of William and Mary

Argonne Universities Association
Carnegie-Mellon University
Case Western Reserve University
Illinois Institute of Technology
Indiana University
Iowa State University
Kansas State University
Loyola University
Marquette University
Michigan State University
Northwestern University
Ohio State University
Purdue University
St. Louis University
University of Arizona
University of Chicago
University of Cincinnati
University of Illinois
University of Iowa
University of Kansas
University of Michigan
University of Minnesota
University of Missouri
University of Notre Dame
University of Wisconsin
Washington University (St. Louis)
Wayne State University

Academic science includes the sum of activities classified under three categories: research and development, R. & D. plant, other science activities. Each of these categories is defined below.

Research is defined as scientific inquiry. It includes basic studies—those oriented toward deeper or more meaningful understanding and knowledge per se in a particular subject or field—and applied studies—those aimed at new or more complete knowledge in the light of potential practical application.

Development is the systematic use of scientific knowledge directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes. It excludes quality control, routine product testing, and production.

R. & D. plant includes all direct, indirect, incidental, or related costs resulting from or necessary to the construction of, acquisition of, major repairs to, or alterations in structures, works, fixed equipment, facilities, or land for use in scientific research and development at a university or college, or at a Federally Funded Research and Development Center. Fixed equipment includes accelerators, reactors, wind tunnels, radio telescopes, etc.

Other academic-science activities represent obligations for all other activities that are science-related but not included elsewhere. Included are obligations to a university or college that represent direct funding (excluding repayable loans) of science-related activities for purposes such as scholarships, fellowships, traineeships, institutes, course-content improvement projects, and other science education pursuits; facilities and equipment to be used primarily for education activities; collection, storage, handling, and dissemination of scientific and technical information; and institutional grants for general or specific purposes.

Nonscience activities include all support of fields of endeavor at universities and colleges other than those specified as academic science.

APPENDIX B

Statistical Tables

Table *Page*

B–1. Total Federal obligations to 100 universities and colleges receiving the largest amounts, 1967 52

B–2. Federal obligations to 100 universities and colleges receiving the largest amounts, by type of program, 1967 54

B–3. Federal obligations for academic science to 100 universities and colleges receiving the largest amounts, by agency, 1967 56

B–4. Total Federal obligations to all universities and colleges, by State, institution, and agency, 1967 58

TABLE B–1.—*Total Federal obligations to 100 universities and colleges receiving the largest amounts, by agency, 1967*

[Thousands of dollars]

Institution	State	Total	Agriculture	AEC	Commerce	DOD	HEW	Interior	NASA	NSF
1. Massachusetts Institute of Technology	Mass.	$96,047	$5	$3,850	$44	$47,151	$8,874	$315	$24,801	$11,007
2. University of Michigan	Mich.	64,758	1	2,797	202	13,111	35,183	867	3,896	8,701
3. University of Illinois	Ill.	63,660	4,332	4,839	207	12,313	29,202	412	1,121	11,234
4. Columbia University [a]	N.Y.	55,908	0	4,843	45	11,455	27,650	49	1,192	10,674
5. University of California—Berkeley	Calif.	52,757	4,734	883	70	7,146	23,769	838	4,712	10,605
6. University of Wisconsin—Madison	Wis.	52,444	3,787	3,066	922	357	28,728	732	4,689	10,163
7. Harvard University	Mass.	51,961	2	876	81	4,414	34,337	225	4,264	7,762
8. University of California—Los Angeles	Calif.	51,175	3	3,871	129	6,757	31,627	273	3,007	5,508
9. University of Minnesota	Minn.	49,459	3,984	2,340	85	2,504	31,438	321	3,192	5,595
10. Stanford University	Calif.	48,709	4	729	128	11,648	21,560	458	3,716	10,466
11. New York University	N.Y.	44,449	96	5,613	122	2,876	30,211	88	903	4,540
12. University of Chicago	Ill.	43,616	70	5,446	103	2,828	24,557	0	2,458	8,154
13. University of Washington	Wash.	43,411	125	2,827	34	2,932	28,350	1,213	2,214	5,716
14. Cornell University	N.Y.	39,468	4,057	1,675	137	6,935	17,464	475	942	7,783
15. University of Maryland	Md.	37,521	1,687	2,196	142	3,357	20,890	210	2,515	6,524
16. Johns Hopkins University	Md.	37,139	8	979	45	3,378	29,643	104	628	2,354
17. University of Pennsylvania	Pa.	36,419	25	299	0	4,895	25,917	209	491	4,583
18. Indiana University	Ind.	33,035	0	188	0	647	23,876	8	868	7,448
19. Yale University	Conn.	32,824	31	4,252	21	2,283	19,787	100	709	5,641
20. University of Alabama	Ala.	31,865	46	0	16	504	28,940	0	1,707	652
21. Ohio State University	Ohio	31,198	4,783	780	43	2,099	19,483	260	533	3,217
22. Duke University	N.C.	30,591	8	1,617	0	2,615	19,637	144	353	6,217
23. Wayne State University	Mich.	29,340	1	174	44	308	24,339	33	366	4,075
24. University of North Carolina—Chapel Hill	N.C.	28,400	0	282	7	794	20,565	315	140	6,297
25. University of Arizona	Ariz.	28,288	1,487	373	42	1,514	20,725	493	936	2,718
26. University of Texas—Austin	Tex.	27,657	0	823	4	4,355	12,403	0	1,691	8,381
27. University of Colorado	Colo.	27,554	1	918	545	2,780	17,605	98	858	4,749
28. Purdue University	Ind.	27,170	4,031	1,386	7	1,626	13,327	281	975	5,537
29. Washington University	Mo.	25,415	0	382	23	1,485	20,846	5	560	2,114
30. Pennsylvania State University	Pa.	25,089	4,850	576	250	2,038	12,099	226	843	4,207
31. Michigan State University	Mich.	24,358	4,368	2,352	27	764	12,688	273	185	3,701
32. University of Pittsburgh	Pa.	24,330	0	602	34	1,575	18,736	196	1,069	2,118
33. Yeshiva University	N.Y.	23,884	0	0	0	222	20,380	75	210	2,997
34. University of Southern California	Calif.	23,703	0	407	1	1,578	18,788	110	1,215	1,604
35. University of Florida	Fla.	23,346	2,134	557	43	1,417	16,610	290	703	1,592
36. University of Rochester	N.Y.	22,977	0	5,159	13	1,388	12,709	0	401	3,307
37. Western Reserve University	Ohio	22,565	0	509	0	557	20,657	116	138	588
38. Princeton University	N.J.	21,920	0	1,485	0	5,007	4,149	0	4,833	6,446
39. Howard University	D.C.	21,873	25	8	0	213	21,339	0	102	186
40. University of Oregon	Oreg.	21,831	0	517	21	609	18,087	0	290	2,307
41. University of Miami	Fla.	21,576	0	122	149	2,945	14,978	336	567	2,479
42. University of Tennessee	Tenn.	21,011	4,295	1,985	82	949	11,958	100	667	975
43. University of Connecticut	Conn.	20,681	878	71	21	483	17,472	193	439	1,124
44. Northwestern University	Ill.	19,649	68	358	8	2,264	11,736	174	1,153	3,888
45. University of Utah	Utah	19,401	15	1,055	66	1,756	14,188	97	274	1,950
46. University of California—San Francisco	Calif.	19,198	0	531	0	364	18,123	0	42	138
47. University of Iowa	Iowa	19,148	1	14	21	402	14,885	38	2,093	1,694
48. University of Kansas	Kans.	19,068	0	479	10	463	13,448	253	2,438	1,977
49. Rutgers, The State University	N.J.	19,001	1,502	182	3	630	12,697	406	597	2,984
50. University of Missouri—Columbia	Mo.	18,979	4,058	244	6	406	12,253	237	392	1,383

See footnote at end of table.

TABLE B–1.—*Total Federal obligations to 100 universities and colleges receiving the largest amounts, by agency, 1967*—Continued

[Thousands of dollars]

Institution	State	Total	Agriculture	AEC	Commerce	DOD	HEW	Interior	NASA	NSF
51. Boston University	Mass.	$18,651	$114	$9	$0	$393	$17,374	$0	$121	$640
52. University of California—San Diego	Calif.	18,554	1	1,878	14	3,042	5,368	0	1,584	6,667
53. California Institute of Technology	Calif.	17,682	1	2,748	0	4,147	4,820	155	1,957	3,854
54. University of Hawaii	Hawaii	16,711	877	607	53	922	8,373	150	1,901	3,828
55. Vanderbilt University	Tenn.	16,585	1	317	5	112	10,903	130	183	4,934
56. University of Kentucky	Ky.	16,427	5,397	163	0	217	9,526	116	334	674
57. University of Georgia	Ga.	16,228	4,594	374	37	802	8,357	178	185	1,701
58. Tulane University	La.	15,615	2	48	3	479	13,795	26	170	1,092
59. Emory University	Ga.	15,474	1	66	0	35	14,547	6	321	498
60. Baylor University	Tex.	15,028	93	0	0	200	13,878	79	549	229
61. University of Louisville	Ky.	14,993	63	33	0	223	14,111	0	186	377
62. Wake Forest University	N.C.	14,515	0	38	0	54	14,183	0	0	240
63. University of California—Davis	Calif.	14,498	18	3,009	1	194	8,608	282	374	2,012
64. University of Virginia	Va.	14,244	0	752	13	557	10,492	45	903	1,482
65. Texas A. & M. University—College Station	Tex.	14,126	6,876	2,200	111	602	2,406	72	515	1,344
66. University of Oklahoma	Okla.	14,108	83	127	193	888	10,953	203	198	1,463
67. Syracuse University	N.Y.	13,940	0	307	40	2,726	7,780	446	218	2,423
68. North Carolina State University—Raleigh	N.C.	13,543	6,237	360	104	138	4,762	170	455	1,317
69. Carnegie Institute of Technology	Pa.	12,673	0	1,903	15	2,091	2,254	35	201	6,174
70. Oregon State University	Oreg.	12,648	1,941	679	36	309	5,481	913	260	3,029
71. University of Puerto Rico—Rio Piedras	P.R.	12,248	3,896	2,298	0	256	5,256	88	0	454
72. University of New York—Buffalo	N.Y.	12,127	0	116	23	160	9,758	0	207	1,863
73. Iowa State University	Iowa	12,070	4,096	552	86	1,019	4,577	235	250	1,255
74. University of Nebraska	Nebr.	12,053	2,471	136	67	32	7,674	88	70	1,515
75. West Virginia University	W. Va.	11,794	2,396	152	17	365	7,313	159	212	1,180
76. Florida State University	Fla.	11,771	43	1,122	176	913	7,404	135	312	1,666
77. University of Notre Dame	Ind.	11,633	0	1,458	0	678	2,439	25	254	6,779
78. Colorado State University	Colo.	11,448	1,819	257	384	518	5,297	685	923	1,565
79. University of Arkansas	Ark.	11,224	3,521	290	80	67	6,033	159	145	929
80. University of Cincinnati	Ohio	10,859	0	62	13	1,373	8,646	155	242	368
81. Hahnemann Medical College and Hospital	Pa.	10,828	1	0	0	11	10,658	0	0	158
82. Temple University	Pa.	10,825	0	135	0	238	9,520	0	208	724
83. Oklahoma State University	Okla.	10,754	2,885	47	147	777	4,961	367	475	1,095
84. George Washington University	D.C.	10,310	2	3	33	1,713	6,412	0	1,288	859
85. Medical College of South Carolina	S.C.	10,222	0	0	0	263	9,953	0	0	6
86. Washington State University	Wash.	9,794	2,252	294	38	403	5,132	370	78	1,227
87. Brown University	R.I.	9,558	0	648	0	2,177	4,142	0	433	2,158
88. Georgetown University	D.C.	9,521	0	59	12	352	8,247	17	103	731
89. Tufts University	Mass.	9,329	0	513	0	582	7,247	39	66	882
90. Rice University	Tex.	8,777	0	1,066	40	892	1,836	76	3,924	943
91. Kansas State University	Kans.	8,478	2,784	99	33	269	3,676	444	224	949
92. University of New Mexico	N. Mex.	8,372	628	99	68	1,265	4,298	0	697	1,317
93. Auburn University	Ala.	8,364	4,107	5	61	203	2,496	210	944	338
94. Rensselaer Polytechnic Institute	N.Y.	8,261	0	1,166	105	636	3,426	57	1,073	1,798
95. Medical College of Virginia	Va.	7,956	0	80	0	371	7,346	0	99	60
96. Mississippi State University	Miss.	7,706	4,528	26	0	251	2,258	159	208	276
97. University of Puerto Rico—San Juan	P.R.	7,529	0	0	0	0	7,529	0	0	0
98. University of California—Irvine	Calif.	7,489	0	92	0	73	6,428	0	0	896
99. St. Louis University	Mo.	7,482	0	0	59	440	6,441	0	133	409
100. University of California—Santa Barbara	Calif.	7,464	0	135	0	749	4,794	0	121	1,995

[a] Main university only.

TABLE B-2.—*Federal obligations to 100 universities and colleges receiving the largest amounts, by type of program, 1967*

[Thousands of dollars]

Institutions	State	Total, all programs	Academic science support				Nonscience activities
			Total	R&D	R&D plant	Other science	
1. Massachusetts Institute of Technology	Mass.	$96,047	$95,487	$85,755	$4,022	$5,710	$560
2. University of Michigan	Mich.	64,758	56,344	41,126	2,297	12,921	8,414
3. University of Illinois	Ill.	63,660	52,446	34,403	4,257	13,786	11,214
4. Columbia University [a]	N.Y.	55,908	52,113	35,863	6,149	10,101	3,795
5. University of California—Berkeley	Calif.	52,757	48,889	33,034	1,406	14,449	3,868
6. University of Wisconsin—Madison	Wis.	52,444	48,290	27,327	8,827	12,136	4,154
7. Harvard University	Mass.	51,961	48,861	35,055	674	13,132	3,100
8. University of California—Los Angeles	Calif.	51,175	45,398	32,483	2,457	10,458	5,777
9. University of Minnesota	Minn.	49,459	42,125	24,809	1,672	15,644	7,334
10. Stanford University	Calif.	48,709	45,856	32,747	799	12,310	2,853
11. New York University	N.Y.	44,449	39,363	21,210	6,205	11,948	5,086
12. University of Chicago	Ill.	43,616	39,583	27,438	1,390	10,755	4,033
13. University of Washington	Wash.	43,411	38,731	23,554	1,844	13,333	4,680
14. Cornell University	N.Y.	39,468	37,741	26,618	1,387	9,736	1,727
15. University of Maryland	Md.	37,521	27,138	17,342	1,483	8,313	10,383
16. Johns Hopkins University	Md.	37,139	34,968	22,116	337	12,515	2,171
17. University of Pennsylvania	Pa.	36,419	33,770	22,580	165	11,025	2,649
18. Indiana University	Ind.	33,035	22,361	12,331	716	9,314	10,674
19. Yale University	Conn.	32,824	30,926	19,898	2,286	8,742	1,898
20. University of Alabama	Ala.	31,865	17,786	10,139	449	7,198	14,079
21. Ohio State University	Ohio	31,198	23,602	12,596	532	10,474	7,596
22. Duke University	N.C.	30,591	27,594	15,988	3,781	7,825	2,997
23. Wayne State University	Mich.	29,340	15,559	4,801	6,532	4,226	13,781
24. University of North Carolina—Chapel Hill	N.C.	28,400	23,972	10,730	3,233	10,009	4,428
25. University of Arizona	Ariz.	28,288	10,286	6,387	496	3,403	18,002
26. University of Texas—Austin	Tex.	27,657	23,029	14,042	173	8,814	4,628
27. University of Colorado	Colo.	27,554	24,412	12,390	1,927	10,095	3,142
28. Purdue University	Ind.	27,170	22,379	11,236	2,883	8,260	4,791
29. Washington University	Mo.	25,415	23,288	14,984	697	7,607	2,127
30. Pennsylvania State University	Pa.	25,089	18,331	9,079	2,019	7,233	6,758
31. Michigan State University	Mich.	24,358	19,143	10,398	1,992	6,753	5,215
32. University of Pittsburgh	Pa.	24,330	21,006	12,226	484	8,296	3,324
33. Yeshiva University	N.Y.	23,884	22,030	12,225	2,026	7,779	1,854
34. University of Southern California	Calif.	23,703	17,809	10,784	853	6,172	5,894
35. University of Florida	Fla.	23,346	15,832	9,031	172	6,629	7,514
36. University of Rochester	N.Y.	22,977	21,420	13,525	2,153	5,742	1,557
37. Western Reserve University	Ohio	22,565	16,486	9,549	0	6,937	6,079
38. Princeton University	N.J.	21,920	20,531	15,658	2,016	2,857	1,389
39. Howard University	D.C.	21,873	3,148	985	0	2,163	18,725
40. University of Oregon	Oreg.	21,831	14,487	8,108	232	6,147	7,344
41. University of Miami	Fla.	21,576	16,410	11,643	111	4,656	5,166
42. University of Tennessee	Tenn.	21,011	16,470	7,995	371	8,104	4,541
43. University of Connecticut	Conn.	20,681	6,737	2,730	410	3,597	13,944
44. Northwestern University	Ill.	19,649	17,233	11,380	973	4,880	2,416
45. University of Utah	Utah	19,401	15,869	8,274	528	7,067	3,532
46. University of California—San Francisco	Calif.	19,198	18,255	11,637	301	6,317	943
47. University of Iowa	Iowa	19,148	15,587	9,337	173	6,077	3,561
48. University of Kansas	Kans.	19,068	15,444	6,912	1,871	6,661	3,624
49. Rutgers, The State University	N.J.	19,001	13,080	8,283	219	4,578	5,921
50. University of Missouri—Columbia	Mo.	18,979	15,181	5,529	66	9,586	3,798

See footnote at end of table.

TABLE B-2.—*Federal obligations to 100 universities and colleges receiving the largest amounts, by type of program, 1967*—Continued

[Thousands of dollars]

Institutions	State	Total, all programs	Academic science support				Nonscience activities
			Total	R&D	R&D plant	Other science	
51. Boston University	Mass.	$18,651	$12,983	$4,757	$2,103	$6,123	$5,668
52. University of California—San Diego	Calif.	18,554	17,567	14,258	622	2,687	987
53. California Institute of Technology	Calif.	17,682	16,911	14,017	367	2,527	771
54. University of Hawaii	Hawaii	16,711	13,210	8,211	1,577	3,422	3,501
55. Vanderbilt University	Tenn.	16,585	15,490	8,671	1,366	5,453	1,095
56. University of Kentucky	Ky.	16,427	12,140	6,460	69	5,611	4,287
57. University of Georgia	Ga.	16,228	11,973	5,224	784	5,965	4,255
58. Tulane University	La.	15,615	13,942	8,343	82	5,517	1,673
59. Emory University	Ga.	15,474	9,441	4,885	35	4,521	6,033
60. Baylor University	Tex.	15,028	13,997	9,919	7	4,071	1,031
61. University of Louisville	Ky.	14,993	4,603	2,031	266	2,306	10,390
62. Wake Forest University	N.C.	14,515	4,683	2,332	974	1,377	9,832
63. University of California—Davis	Calif.	14,498	12,635	9,464	558	2,613	1,863
64. University of Virginia	Va.	14,244	10,795	5,192	83	5,520	3,449
65. Texas A. & M. University—College Station	Tex.	14,126	13,239	5,325	1,753	6,161	887
66. University of Oklahoma	Okla.	14,108	8,762	4,051	56	4,655	5,346
67. Syracuse University	N.Y.	13,940	10,564	6,256	158	4,150	3,376
68. North Carolina State University—Raleigh	N.C.	13,543	11,892	6,038	103	5,751	1,651
69. Carnegie Institute of Technology	Pa.	12,673	11,557	7,817	1,621	2,119	1,116
70. Oregon State University	Oreg.	12,648	10,025	5,817	767	3,441	2,623
71. University of Puerto Rico—Rio Piedras	P.R.	12,248	8,647	3,021	313	5,313	3,601
72. State University of New York—Buffalo	N.Y.	12,127	10,460	6,294	450	3,716	1,667
73. Iowa State University	Iowa	12,070	10,407	5,487	97	4,823	1,663
74. University of Nebraska	Nebr.	12,053	9,439	3,899	122	5,418	2,614
75. West Virginia University	W. Va.	11,794	8,655	4,117	77	4,461	3,139
76. Florida State University	Fla.	11,771	8,055	4,937	91	3,027	3,716
77. University of Notre Dame	Ind.	11,633	10,607	6,496	1,391	2,720	1,026
78. Colorado State University	Colo.	11,448	9,276	6,181	160	2,935	2,172
79. University of Arkansas	Ark.	11,224	9,129	3,996	96	5,037	2,095
80. University of Cincinnati	Ohio	10,859	8,782	4,435	67	4,280	2,077
81. Hahnemann Medical College and Hospital	Pa.	10,828	3,852	1,691	0	2,161	6,976
82. Temple University	Pa.	10,825	8,867	4,690	471	3,706	1,958
83. Oklahoma State University	Okla.	10,754	8,167	3,818	69	4,280	2,587
84. George Washington University	D.C.	10,310	8,816	6,609	5	2,202	1,494
85. Medical College of South Carolina	S.C.	10,222	1,666	1,007	0	659	8,556
86. Washington State University	Wash.	9,794	7,218	4,023	237	2,958	2,576
87. Brown University	R.I.	9,558	8,590	6,327	30	2,233	968
88. Georgetown University	D.C.	9,521	7,507	3,096	192	4,219	2,014
89. Tufts University	Mass.	9,329	7,662	4,375	54	3,233	1,667
90. Rice University	Tex.	8,777	8,065	6,605	312	1,148	712
91. Kansas State University	Kans.	8,478	6,603	3,121	127	3,355	1,875
92. University of New Mexico	N. Mex.	8,372	6,334	3,256	23	3,055	2,038
93. Auburn University	Ala.	8,364	7,298	2,863	740	3,695	1,066
94. Rensselaer Polytechnic Institute	N.Y.	8,261	7,077	3,619	166	3,292	1,184
95. Medical College of Virginia	Va.	7,956	4,444	2,558	478	1,408	3,512
96. Mississippi State University	Miss.	7,706	6,307	2,621	57	3,629	1,399
97. University of Puerto Rico—San Juan	P.R.	7,529	2,264	969	0	1,295	5,265
98. University of California—Irvine	Calif.	7,489	4,284	1,206	312	2,766	3,205
99. St. Louis University	Mo.	7,482	5,543	3,371	304	1,868	1,939
100. University of California—Santa Barbara	Calif.	7,464	5,009	2,976	151	1,882	2,455

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[a] Main university only.

Table B–3.—*Federal obligations for academic science to 100 universities and colleges receiving the largest amounts, by agency, 1967*

[Thousands of dollars]

Institution	State	Total	Agriculture	AEC	Commerce	DOD	HEW	Interior	NASA	NSF
1. Massachusetts Institute of Technology	Mass.	$95,487	$5	$3,850	$44	$47,151	$8,320	$309	$24,801	$11,007
2. University of Michigan	Mich.	56,344	1	2,797	180	13,111	26,981	677	3,896	8,701
3. University of Illinois	Ill.	52,446	4,332	4,839	24	12,313	18,229	354	1,121	11,234
4. Columbia University [a]	N.Y.	52,113	0	4,843	45	11,455	23,855	49	1,192	10,674
5. University of California—Berkeley	Calif.	48,889	4,734	883	68	7,146	19,916	825	4,712	10,605
6. Harvard University	Mass.	48,861	2	876	81	4,414	31,250	212	4,264	7,762
7. University of Wisconsin—Madison	Wis.	48,290	3,787	3,066	799	357	25,019	410	4,689	10,163
8. Stanford University	Calif.	45,856	4	729	128	11,648	18,875	290	3,716	10,466
9. University of California—Los Angeles	Calif.	45,398	3	3,871	21	6,757	25,958	273	3,007	5,508
10. University of Minnesota	Minn.	42,125	3,984	2,340	0	2,504	24,223	287	3,192	5,595
11. University of Chicago	Ill.	39,583	70	5,446	103	2,828	20,524	0	2,458	8,154
12. New York University	N.Y.	39,363	96	5,613	95	2,876	25,214	26	903	4,540
13. University of Washington	Wash.	38,731	125	2,827	3	2,932	23,772	1,142	2,214	5,716
14. Cornell University	N.Y.	37,741	4,057	1,675	85	6,935	15,867	397	942	7,783
15. Johns Hopkins University	Md.	34,968	8	979	45	3,378	27,522	54	628	2,354
16. University of Pennsylvania	Pa.	33,770	25	299	0	4,895	23,268	209	491	4,583
17. Yale University	Conn.	30,926	31	4,252	21	2,283	17,889	100	709	5,641
18. Duke University	N.C.	27,594	8	1,617	0	2,615	16,640	144	353	6,217
19. University of Maryland	Md.	27,138	1,687	2,196	141	3,357	10,508	210	2,515	6,524
20. University of Colorado	Colo.	24,412	1	918	495	2,780	14,563	48	858	4,749
21. University of North Carolina—Chapel Hill	N.C.	23,972	0	282	0	794	16,179	280	140	6,297
22. Ohio State University	Ohio	23,602	4,783	780	2	2,099	11,961	227	533	3,217
23. Washington University	Mo.	23,288	0	382	1	1,485	18,746	0	560	2,114
24. University of Texas—Austin	Tex.	23,029	0	823	4	4,355	7,775	0	1,691	8,381
25. Purdue University	Ind.	22,379	4,031	1,386	7	1,626	8,555	262	975	5,537
26. Indiana University	Ind.	22,361	0	188	0	647	13,210	0	868	7,448
27. Yeshiva University	N.Y.	22,030	0	0	0	222	18,526	75	210	2,907
28. University of Rochester	N.Y.	21,420	0	5,159	0	1,388	11,165	0	401	3,307
29. University of Pittsburgh	Pa.	21,006	0	602	5	1,575	15,514	123	1,069	2,118
30. Princeton University	N.J.	20,531	0	1,485	0	5,007	2,760	0	4,833	6,446
31. Michigan State University	Mich.	19,143	4,368	2,352	1	764	7,578	194	185	3,701
32. Pennsylvania State University	Pa.	18,331	4,850	576	136	2,038	5,462	219	843	4,207
33. University of California—San Francisco	Calif.	18,255	0	531	0	364	17,180	0	42	138
34. University of Southern California	Calif.	17,809	0	407	1	1,578	12,894	110	1,215	1,604
35. University of Alabama	Ala.	17,786	46	0	0	504	14,877	0	1,707	652
36. University of California—San Diego	Calif.	17,567	1	1,878	14	3,042	4,381	0	1,584	6,667
37. Northwestern University	Ill.	17,233	68	358	8	2,264	9,380	114	1,153	3,888
38. California Institute of Technology	Calif.	16,911	1	2,748	0	4,147	4,049	155	1,957	3,854
39. Western Reserve University	Ohio	16,486	0	509	0	557	14,578	116	138	588
40. University of Tennessee	Tenn.	16,470	4,295	1,985	0	949	7,499	100	667	975
41. University of Miami	Fla.	16,410	0	122	136	2,945	9,825	336	567	2,479
42. University of Utah	Utah	15,869	15	1,055	1	1,756	10,780	38	274	1,950
43. University of Florida	Fla.	15,832	2,134	557	0	1,417	9,139	290	703	1,592
44. University of Iowa	Iowa	15,587	1	14	0	402	11,356	27	2,093	1,694
45. Wayne State University	Mich.	15,559	1	174	31	308	10,604	0	366	4,075
46. Vanderbilt University	Tenn.	15,490	1	317	0	112	9,860	83	183	4,934
47. University of Kansas	Kans.	15,444	0	479	1	463	9,896	190	2,438	1,977
48. University of Missouri—Columbia	Mo.	15,181	4,058	244	6	406	8,515	177	392	1,383
49. University of Oregon	Oreg.	14,487	0	517	0	609	10,764	0	290	2,307
50. Baylor University	Tex.	13,997	93	0	0	200	12,847	79	549	229

See footnote at end of table.

TABLE B-3.—*Federal obligations for academic science to 100 universities and colleges receiving the largest amounts, by agency, 1967*—Continued

[Thousands of dollars]

Institution	State	Total	Agriculture	AEC	Commerce	DOD	HEW	Interior	NASA	NSF
51. Tulane University	La.	$13,942	$2	$48	$0	$479	$12,125	$26	$170	$1,092
52. Texas A. & M. University	Tex.	13,239	6,876	2,200	111	602	1,519	72	515	1,344
53. University of Hawaii	Hawaii	13,210	877	607	53	922	4,900	122	1,901	3,828
54. Rutgers, The State University	N.J.	13,080	1,502	182	3	630	6,798	384	597	2,984
55. Boston University	Mass.	12,983	114	9	0	393	11,706	0	121	640
56. University of California—Davis	Calif.	12,635	18	3,009	1	194	6,773	254	374	2,012
57. University of Kentucky	Ky.	12,140	5,397	163	0	217	5,267	88	334	674
58. University of Georgia	Ga.	11,973	4,594	374	0	802	4,145	172	185	1,701
59. North Carolina State University—Raleigh	N.C.	11,892	6,237	360	22	138	3,210	153	455	1,317
60. Carnegie Institute of Technology	Pa.	11,557	0	1,903	15	2,091	1,138	35	201	6,174
61. University of Virginia	Va.	10,795	0	752	1	557	7,055	45	903	1,482
62. University of Notre Dame	Ind.	10,607	0	1,458	0	678	1,413	25	254	6,779
63. Syracuse University	N.Y.	10,564	0	307	3	2,726	4,441	446	218	2,423
64. State University of New York—Buffalo	N.Y.	10,460	0	116	0	160	8,114	0	207	1,863
65. Iowa State University	Iowa	10,407	4,096	552	23	1,019	3,036	176	250	1,255
66. University of Arizona	Ariz.	10,286	1,487	373	6	1,514	2,783	469	936	2,718
67. Oregon State University	Oreg.	10,025	1,941	679	1	309	3,145	661	260	3,029
68. Emory University	Ga.	9,441	1	66	0	35	8,520	0	321	498
69. University of Nebraska	Nebr.	9,439	2,471	136	0	32	5,127	88	70	1,515
70. Colorado State University	Colo.	9,276	1,819	257	365	518	3,209	620	923	1,565
71. University of Arkansas	Ark.	9,129	3,521	290	0	67	4,035	142	145	929
72. Temple University	Pa.	8,867	0	135	0	238	7,562	0	208	724
73. George Washington University	D.C.	8,816	2	3	31	1,713	4,920	0	1,288	859
74. University of Cincinnati	Ohio	8,782	0	62	0	1,373	6,627	110	242	368
75. University of Oklahoma	Okla.	8,762	83	127	186	888	5,652	165	198	1,463
76. West Virginia University	W. Va.	8,655	2,396	152	0	365	4,238	112	212	1,180
77. University of Puerto Rico—Rio Piedras	P.R.	8,647	3,896	2,298	0	256	1,655	88	0	454
78. Brown University	R.I.	8,590	0	648	0	2,177	3,174	0	433	2,158
79. Oklahoma State University	Okla.	8,167	2,885	47	82	777	2,534	272	475	1,095
80. Rice University	Tex.	8,065	0	1,066	0	892	1,240	0	3,924	943
81. Florida State University	Fla.	8,055	43	1,122	170	913	3,694	135	312	1,666
82. Tufts University	Mass.	7,662	0	513	0	582	5,619	0	66	882
83. Georgetown University	D.C.	7,507	0	59	12	352	6,233	17	103	731
84. Auburn University	Ala.	7,298	4,107	5	0	203	1,491	210	944	338
85. Washington State University	Wash.	7,218	2,252	294	0	403	2,617	347	78	1,227
86. Rensselaer Polytechnic Institute	N.Y.	7,077	0	1,166	84	636	2,263	57	1,073	1,798
87. M.D. Anderson Hospital and Tumor Inst.	Tex.	6,746	0	0	0	52	6,504	0	190	0
88. University of Connecticut	Conn.	6,737	878	71	0	483	3,549	193	439	1,124
89. Louisiana State University—New Orleans	La.	6,657	2,920	282	0	98	2,592	0	580	185
90. Kansas State University	Kans.	6,603	2,784	99	4	269	1,836	438	224	949
91. University of New Mexico	N. Mex.	6,334	628	99	14	1,265	2,314	0	697	1,317
92. Mississippi State University	Miss.	6,307	4,528	26	0	251	905	113	208	276
93. Virginia Polytechnic Institute	Va.	6,215	3,813	156	0	98	689	113	465	881
94. Brandeis University	Mass.	6,172	0	324	0	432	3,481	0	122	1,813
95. Case Institute of Technology	Ohio	6,034	0	1,099	2	699	1,559	278	899	1,498
96. New York Medical College	N.Y.	5,802	0	0	0	152	5,530	0	7	113
97. Downstate Medical Center	N.Y.	5,781	0	0	0	0	5,735	0	0	46
98. Rockefeller University	N.Y.	5,739	0	47	0	77	4,761	0	0	854
99. Polytechnic Institute of Brooklyn	N.Y.	5,634	1	71	0	2,284	1,776	95	270	1,137
100. St. Louis University	Mo.	5,543	0	0	34	440	4,527	0	133	409

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[a] Main university only.

TABLE B-4

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
ALABAMA									
STATE TOTAL	56,343	4,298	70	77	743	46,773	210	2,654	1,518
ALA AGR AND MECH COL	679	18	0	0	0	600	0	3	58
ALA CHRISTIAN COL **	199	0	0	0	0	199	0	0	0
ALA COL	443	0	0	0	0	441	0	0	2
ALA ST COL	295	0	0	0	0	284	0	0	11
ALEXANDER CITY ST JR COL**	1,442	0	0	0	0	1,442	0	0	0
AUBURN UNIV	8,364	4,107	5	61	203	2,496	210	944	338
BIRMINGHAM-SOUTHERN COL	267	0	0	0	0	186	0	0	81
CALHOUN ST TECH JR COL **	594	0	0	0	0	594	0	0	0
DANIEL PAYNE COL**	254	0	0	0	0	254	0	0	0
ENTERPRISE JR COL **	424	0	0	0	0	424	0	0	0
FLORENCE ST COL	1,552	0	0	0	0	1,552	0	0	0
GADSDEN TECH JR COL**	856	0	0	0	0	856	0	0	0
GEORGE C WALLACE JR COL **	35	0	0	0	0	35	0	0	0
HUNTINGDON COL	91	0	0	0	0	91	0	0	0
JACKSONVILLE ST COL	1,579	0	0	0	0	1,578	0	0	1
JEFFERSON DAVIS COL**	43	0	0	0	0	43	0	0	0
JEFFERSON ST JR COL**	498	0	0	0	0	498	0	0	0
LIVINGSTON ST COL	63	0	0	0	0	63	0	0	0
MILES COL	360	0	0	0	0	352	0	0	8
MOBILE ST JR COL **	8	0	0	0	0	8	0	0	0
NORTHEAST ST JR COL**	74	0	0	0	0	74	0	0	0
NORTHWEST ALA ST JR COL **	37	0	0	0	0	37	0	0	0
OAKWOOD COL	19	0	0	0	0	19	0	0	0
PATRICK HENRY JR COL**	125	0	0	0	0	125	0	0	0
SACRED HEART COL **	22	0	0	0	0	22	0	0	0
SOUTHERN UNION ST JR COL**	57	0	0	0	0	57	0	0	0
SPRING HILL COL	231	0	0	0	0	170	0	0	61
ST BERNARD COL	196	0	0	0	0	196	0	0	0
STILLMAN COL	263	0	0	0	0	236	0	0	27
TALLADEGA COL	127	0	0	0	0	127	0	0	0
TROY ST COL	320	0	0	0	0	320	0	0	0
TUSKEGEE INST	2,239	127	65	0	36	1,732	0	0	279
UNIV OF ALA	31,865	46	0	16	504	28,940	0	1,707	652
UNIV OF SOUTH ALA	1,704	0	0	0	0	1,704	0	0	0
WENONAH JR COL**	479	0	0	0	0	479	0	0	0
WILLIAM YANCEY ST JR COL**	539	0	0	0	0	539	0	0	0
ALASKA									
STATE TOTAL	6,184	635	202	49	1,636	1,797	282	385	1,198
ALASKA METHODIST UNIV	142	0	0	0	0	95	0	0	47
SHELDON JACKSON JR COL **	28	0	0	0	0	28	0	0	0
UNIV OF ALASKA	6,014	635	202	49	1,636	1,674	282	385	1,151
ARIZONA									
STATE TOTAL	36,785	1,491	463	77	1,678	27,713	539	1,054	3,770
AMER INST FOREIGN TRADE	20	0	0	0	0	20	0	0	0
ARIZ ST UNIV	5,673	3	82	24	65	4,431	30	118	920
ARIZ WESTERN COL**	198	0	0	0	0	196	0	0	2
COCHISE COL**	180	0	0	0	0	180	0	0	0
EASTERN ARIZ JR COL**	63	0	0	0	0	63	0	0	0
GLENDALE COMM COL**	51	0	0	0	0	51	0	0	0
GRAND CANYON COL	26	0	0	0	0	26	0	0	0
MESA COMM COL**	743	0	0	0	0	743	0	0	0
NORTHERN ARIZ UNIV	1,187	1	8	11	0	1,049	16	0	102
PHOENIX COL**	55	0	0	0	0	46	0	0	9
PRESCOTT COL	153	0	0	0	0	134	0	0	19
UNIV & ST COL ARIZ C S*	148	0	0	0	99	49	0	0	0
UNIV OF ARIZ	28,288	1,487	373	42	1,514	20,725	493	936	2,718
ARKANSAS									
STATE TOTAL	18,430	3,540	290	80	67	13,076	159	191	1,027
ARK AGR AND MECH COL	175	0	0	0	0	175	0	0	0
ARK AGR MECH & NORMAL COL	1,022	19	0	0	0	992	0	0	11

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
ARKANSAS									
ARK BAPTIST COL	11	0	0	0	0	11	0	0	0
ARK COL	365	0	0	0	0	365	0	0	0
ARK POLYTECHNIC COL	253	0	0	0	0	253	0	0	0
ARK ST COL	648	0	0	0	0	640	0	0	8
ARKANSAS ART CENTER	10	0	0	0	0	10	0	0	0
COL OF THE OZARKS	272	0	0	0	0	272	0	0	0
CROWLEY'S RIDGE COL	120	0	0	0	0	120	0	0	0
HARDING COL	226	0	0	0	0	180	0	46	0
HENDERSON ST TCHRS COL	421	0	0	0	0	421	0	0	0
HENDRIX COL	549	0	0	0	0	549	0	0	0
JOHN BROWN UNIV	80	0	0	0	0	77	0	0	3
LITTLE ROCK UNIV	565	0	0	0	0	560	0	0	5
OUACHITA BAPTIST UNIV	409	0	0	0	0	409	0	0	0
PHILANDER SMITH COL	587	0	0	0	0	587	0	0	0
PHILLIPS CNTY COMM JR COL**	59	0	0	0	0	59	0	0	0
SHORTER JR COL	60	0	0	0	0	60	0	0	0
SOUTHERN BAPTIST COL**	108	0	0	0	0	108	0	0	0
SOUTHERN ST COL	575	0	0	0	0	531	0	0	44
STATE COLLEGE OF ARKANSAS	656	0	0	0	0	629	0	0	27
UNIV OF ARK	11,224	3,521	290	80	67	6,033	159	145	929
WESTARK JR COL**	35	0	0	0	0	35	0	0	0
CALIFORNIA									
STATE TOTAL	341,993	4,897	14,983	344	37,726	215,425	2,633	17,012	48,973
ALLAN HANCOCK COL**	48	0	0	0	0	48	0	0	0
AMER RIVER JR COL**	184	0	0	0	0	184	0	0	0
ANTELOPE VALLEY COL**	29	0	0	0	0	29	0	0	0
AZUSA PACIFIC COL	293	0	0	0	0	293	0	0	0
BAKERSFIELD COL**	146	0	0	0	0	146	0	0	0
BARSTOW COL **	5	0	0	0	0	5	0	0	0
BETHANY BIBLE COL	98	0	0	0	0	98	0	0	0
BIOLA COL	198	0	0	0	0	198	0	0	0
CABRILLO COL**	96	0	0	0	0	94	0	0	2
CAL COL OF ARTS & CRAFTS	115	0	0	0	0	115	0	0	0
CAL COL OF MEDICINE	815	0	0	0	10	805	0	0	0
CAL INST OF TECH	17,682	1	2,748	0	4,147	4,820	155	1,957	3,854
CAL INST OF THE ARTS	135	0	0	0	0	135	0	0	0
CAL LUTHERAN COL	219	0	0	0	0	219	0	0	0
CAL PODIATRY COL	140	0	0	0	0	140	0	0	0
CAL ST COL AT FULLERTON	1,328	0	0	0	42	1,206	0	0	80
CAL ST COL AT HAYWARD	1,634	0	0	0	0	1,586	0	0	48
CAL ST COL AT LONG BEACH	5,657	0	0	0	20	5,515	17	0	105
CAL ST COL AT LOS ANGELES	2,119	17	0	0	0	1,966	10	0	126
CAL ST COL CENTRAL SYS*	3,751	0	0	0	0	3,751	0	0	0
CAL ST COL PALOS VERDES	106	0	0	0	0	106	0	0	0
CAL ST COL SAN BERNARDINO	1,671	0	0	0	0	1,653	0	0	18
CAL STATE POLY COL	468	41	0	0	0	381	0	0	46
CERRITOS COL**	102	0	0	0	0	100	0	0	2
CHABOT COL **	50	0	0	0	0	50	0	0	0
CHAFFEY COL **	35	0	0	0	0	35	0	0	0
CHAPMAN COL	1,289	0	0	0	0	1,289	0	0	0
CHICO STATE COL	3,623	1	0	0	0	3,527	0	0	95
CITRUS JR COL**	82	0	0	0	0	67	0	0	15
CITY COL OF SAN FRANCISCO **	126	0	0	0	0	126	0	0	0
CLAREMONT GRADUATE SCHOOL	1,105	0	0	0	0	982	0	0	123
CLAREMONT MENS COL	10	0	0	0	0	10	0	0	0
COALINGA COL**	21	0	0	0	0	18	0	0	3
COL OF MARIN**	646	0	0	0	0	646	0	0	0
COL OF NOTRE DAME	19	0	0	0	0	19	0	0	0
COL OF SAN MATEO**	302	0	0	0	0	302	0	0	0
COL OF THE DESERT**	535	0	0	0	0	535	0	0	0
COL OF THE HOLY NAMES	43	0	0	0	0	43	0	0	0
COL OF THE REDWOODS **	512	0	0	0	0	512	0	0	0
COL OF THE SEQUOIAS **	77	0	0	0	0	77	0	0	0
COL OF THE SISKIYOUS **	9	0	0	0	0	9	0	0	0
COMPTON COL**	66	0	0	0	0	66	0	0	0
CONTRA COSTA COL**	168	0	0	0	0	168	0	0	0
CTR FOR EARLY EDUCATION **	4	0	0	0	0	4	0	0	0
CUESTA COL**	10	0	0	0	0	10	0	0	0
CYPRESS JR COL **	12	0	0	0	0	12	0	0	0
DE ANZA COLLEGE	521	0	0	0	0	521	0	0	0
DEEP SPRINGS COL**	1	0	0	0	0	1	0	0	0
DIABLO VALLEY COL **	55	0	0	0	0	55	0	0	0
DOMINICAN COL SAN RAFAEL	82	0	0	0	0	54	0	0	28

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
CALIFORNIA									
EAST LOS ANGELES COL**	76	0	0	0	0	76	0	0	0
EL CAMINO COL**	534	0	0	0	0	534	0	0	0
FOOTHILL COL**	305	0	0	0	24	281	0	0	0
FRESNO CITY COL**	58	0	0	0	0	58	0	0	0
FRESNO STATE COL	1,359	54	0	0	0	865	307	0	133
FULLERTON JR COL **	500	0	0	0	0	500	0	0	0
GAVILAN COL **	93	0	0	0	0	93	0	0	0
GLENDALE COL **	21	0	0	0	0	21	0	0	0
GOLDEN GATE COL	73	0	0	0	0	73	0	0	0
GOLDEN WEST COL **	11	0	0	0	0	11	0	0	0
GROSSMONT COL**	124	0	0	0	0	124	0	0	0
HARTNELL COL**	27	0	0	0	0	27	0	0	0
HARVEY MUDD COL	224	0	17	0	0	21	0	0	186
HUMBOLDT STATE COL	471	11	0	0	0	264	0	16	180
HUMPHREYS COL**	45	0	0	0	0	45	0	0	0
IMMACULATE HEART COL	109	0	0	0	0	93	0	0	16
IMPERIAL VALLEY COL**	29	0	0	0	0	29	0	0	0
LA SIERRA COL	162	0	0	0	0	162	0	0	0
LA VERNE COL	45	0	0	0	0	45	0	0	0
LANEY COL **	100	0	0	0	0	100	0	0	0
LASSEN COL**	13	0	0	0	0	13	0	0	0
LOMA LINDA UNIV	2,088	0	58	0	29	1,989	0	0	12
LONG BEACH CITY COL**	136	0	0	0	0	136	0	0	0
LOS ANGELES CITY COL **	222	0	0	0	0	222	0	0	0
LOS ANGELES COL OF OPTOM	129	0	0	0	0	129	0	0	0
LOS ANGELES HARBOR COL**	31	0	0	0	0	31	0	0	0
LOS ANGELES PIERCE COL**	40	0	0	0	0	40	0	0	0
LOS ANGELES TR-TECH COL**	42	0	0	0	0	42	0	0	0
LOS ANGELES VALLEY COL **	50	0	0	0	0	48	0	0	2
LOYOLA UNIV LOS ANGELES	178	0	0	0	0	178	0	0	0
MARYMOUNT COL	49	0	0	0	0	49	0	0	0
MENLO COL	151	0	0	0	0	151	0	0	0
MERCED COL**	75	0	0	0	0	75	0	0	0
MERRITT COL**	287	0	0	0	0	287	0	0	0
MILLS COL	565	0	0	0	0	545	0	0	20
MIRA COSTA COL**	28	0	0	0	0	28	0	0	0
MODESTO JR COL**	124	2	0	0	0	122	0	0	0
MONTEREY INST OF FOR STUD	28	0	0	0	0	28	0	0	0
MONTEREY PENINSULA COL **	539	0	0	0	0	539	0	0	0
MOUNT SAN ANTONIO JR COL**	13	1	0	0	0	12	0	0	0
MOUNT SAN JACINTO COL**	21	0	0	0	0	21	0	0	0
MT ST MARYS COL	143	0	0	0	0	108	0	0	35
NAPA JR COL**	54	0	0	0	0	54	0	0	0
NORTHROP INST OF TECH	84	0	0	0	0	80	0	0	4
OCCIDENTAL COL	914	0	0	0	0	871	0	0	43
ORANGE COAST COL**	393	0	0	0	0	391	0	0	2
OTIS ART INST LA CNTY	3	0	0	0	0	3	0	0	0
PACIFIC COL	95	0	0	0	0	95	0	0	0
PACIFIC OAKS COL	184	0	0	0	0	184	0	0	0
PACIFIC UNION COL	117	0	0	0	0	117	0	0	0
PALO VERDE COL**	183	0	0	0	0	183	0	0	0
PALOMAR JR COL**	16	0	0	0	0	16	0	0	0
PASADENA CITY COL **	87	0	0	0	0	87	0	0	0
PASADENA COL	632	0	0	0	0	632	0	0	0
PEPPERDINE COL	8	0	0	0	0	8	0	0	0
PERALTA JR COL DIST C S*	1,015	0	0	0	0	1,015	0	0	0
PITZER COL	108	0	0	0	0	108	0	0	0
POMONA COL	1,015	0	0	0	13	828	0	0	174
PORTERVILLE COL **	5	0	0	0	0	5	0	0	0
REEDLEY COL **	43	0	0	0	0	43	0	0	0
RIO HONDO JR COL **	56	0	0	0	0	56	0	0	0
RIVERSIDE CITY COL **	40	0	0	0	0	40	0	0	0
S CNTY JOINT JR CCL DIST**	14	0	0	0	0	14	0	0	0
SACRAMENTO CITY COL **	126	0	0	0	0	126	0	0	0
SACRAMENTO STATE COL	1,957	0	0	0	0	1,839	24	0	94
SALK INST FOR BIOL STUD	11	0	0	0	0	11	0	0	0
SAN BERNARDINO VLY JR COL **	184	0	0	0	0	184	0	0	0
SAN DIEGO CITY COL**	2	0	0	0	0	0	0	0	2
SAN DIEGO JR COL CTRL S*	162	0	0	0	0	162	0	0	0
SAN DIEGO MESA COL**	5	0	0	0	0	5	0	0	0
SAN DIEGO STATE COL	3,916.	0	79	0	53	2,822	0	0	962
SAN FERNANDO VLY ST COL	1,223	0	0	0	20	1,102	0	0	101
SAN FRANCISCO ART INST	167	0	0	0	0	167	0	0	0
SAN FRANCISCO COL WOMEN	62	0	0	0	0	60	0	0	2
SAN FRANCISCO CONSV MUSIC	10	0	0	0	0	10	0	0	0
SAN FRANCISCO STATE COL	5,388	1	0	0	1	5,283	0	0	103
SAN JOAQUIN DELTA COL**	220	0	0	0	0	220	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
CALIFORNIA									
SAN JOSE CITY COL**	37	0	0	0	0	37	0	0	0
SAN JOSE STATE COL	3,401	0	1	1	193	2,479	23	0	704
SANTA BARBARA CITY COL**	631	0	0	0	0	631	0	0	0
SANTA MONICA CITY COL**	63	0	0	0	0	63	0	0	0
SANTA ROSA JR COL**	29	0	0	0	0	29	0	0	0
SCRIPPS COL	105	0	0	0	0	5	100	0	0
SHASTA COL**	75	0	0	0	0	75	0	0	0
SIERRA COL**	41	0	0	0	0	41	0	0	0
SIMPSON BIBLE COL	16	0	0	0	0	16	0	0	0
SOLANO COL**	59	0	0	0	0	59	0	0	0
SONOMA STATE COL	432	0	0	0	0	363	0	0	69
SOUTHERN CAL COL	288	0	0	0	0	288	0	0	0
SOUTHWESTERN COL**	287	0	0	0	0	287	0	0	0
ST JOSEPHS COL OF ORANGE	5	0	0	0	0	5	0	0	0
ST MARYS COL CALIFORNIA	90	1	0	0	0	89	0	0	0
STANFORD UNIV	48,709	4	729	128	11,648	21,560	458	3,716	10,466
STANISLAUS STATE COL	977	0	0	0	0	977	0	0	0
STATE CTR JC DIST CTRL S*	14	0	0	0	0	14	0	0	0
TAFT COL**	17	0	0	0	0	17	0	0	0
U S INTERNATIONAL UNIV	455	0	0	0	0	455	0	0	0
UNIV OF CAL BERKELEY	52,757	4,734	883	70	7,146	23,769	838	4,712	10,605
UNIV OF CAL LOS ANGELES	51,175	3	3,871	129	6,757	31,627	273	3,007	5,508
UNIV OF CAL RIVERSIDE	5,210	7	499	0	360	3,199	0	56	1,089
UNIV OF CAL SAN DIEGO	18,554	1	1,878	14	3,042	5,368	0	1,58[illegible]	6,667
UNIV OF CAL SANTA CRUZ	2,935	0	1	0	9	2,421	0	127	377
UNIV OF CAL CENTRAL SYS*	2,909	0	45	0	1,165	1,675	0	0	24
UNIV OF CAL SAN FRANCISCO	19,198	0	531	0	364	18,123	0	42	138
UNIV OF CAL SANTA BARBARA	7,464	0	135	0	749	4,794	0	121	1,665
UNIV OF CALIFORNIA DAVIS	14,498	18	3,009	1	194	8,608	282	374	2,012
UNIV OF CALIFORNIA IRVINE	7,489	0	92	0	73	6,428	0	0	896
UNIV OF REDLANDS	943	0	0	0	0	881	0	0	62
UNIV OF SAN DIEGO	404	0	0	0	0	395	0	0	9
UNIV OF SAN FRANCISCO	1,473	0	0	0	0	1,377	0	22	74
UNIV OF SANTA CLARA	891	0	0	0	71	482	0	63	275
UNIV OF SOUTHERN CAL	23,703	0	407	1	1,578	18,788	110	1,215	1,604
UNIV OF THE PACIFIC	613	0	0	0	18	485	36	0	74
VENTURA COL**	777	0	0	0	0	777	0	0	0
VICTOR VALLEY COL**	15	0	0	0	0	15	0	0	0
WEST VALLEY COL**	146	0	0	0	0	146	0	0	0
WESTMONT COL	660	0	0	0	0	626	0	0	34
WHITTIER COL	112	0	0	0	0	112	0	0	0
YUBA COL**	77	0	0	0	0	72	0	0	5
COLORADO									
STATE TOTAL	52,222	1,822	1,285	955	6,271	31,147	1,046	2,080	7,616
ADAMS STATE COL	265	0	0	0	0	261	0	0	4
ARAPAHOE JR COL	7	0	0	0	0	7	0	0	0
COLORADO COL	210	0	0	0	0	78	0	0	132
COLORADO SCHOOL OF MINES	600	0	46	6	0	154	106	35	253
COLORADO STATE COL	2,898	0	0	0	0	2,816	0	0	82
COLORADO STATE UNIV	11,448	1,819	257	384	518	5,297	685	923	1,565
FORT LEWIS COL	173	0	0	0	0	146	0	0	27
ILIFF SCHOOL OF THEOLOGY	16	0	0	0	0	16	0	0	0
LAMAR JR COL**	35	0	0	0	0	35	0	0	0
LORETTO HEIGHTS COL	233	0	0	0	0	180	0	0	53
MESA COL**	855	0	0	0	0	855	0	0	0
METROPOLITAN STATE COL**	106	0	0	0	0	106	0	0	0
NORTHEASTERN JR COL**	355	0	0	0	0	355	0	0	0
OTERO JR COL**	33	0	0	0	0	33	0	0	0
RANGELY COL**	31	0	0	0	0	31	0	0	0
REGIS COL	80	0	0	0	0	80	0	0	0
SOUTHERN COLORADO STA COL	309	0	0	0	0	307	0	0	2
TEMPLE BUELL COL	186	1	0	0	0	183	0	0	2
TRINIDAD STATE JR COL**	262	0	0	0	0	262	0	0	0
U S AIR FORCE ACADEMY	2	0	0	0	0	0	0	0	2
UNIV OF COLORADO	27,554	1	918	545	2,780	17,605	98	858	4,749
UNIV OF DENVER	6,471	1	64	20	2,973	2,253	157	258	745
WESTERN ST COL COLORADO	84	0	0	0	0	78	0	6	0
YAMPA VALLEY COL	9	0	0	0	0	9	0	0	0
CONNECTICUT									
STATE TOTAL	62,926	909	4,323	61	2,818	45,486	293	1,154	7,882

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
CONNECTICUT									
ALBERTUS MAGNUS COL	42	0	0	0	0	42	0	0	0
ANNHURST COL	714	0	0	0	0	714	0	0	0
BRIDGEPORT ENG INST	22	0	0	0	0	14	0	0	8
CENTRAL CONN ST COL	284	0	0	0	0	276	0	0	8
CONNECTICUT COL	417	0	0	0	37	297	0	0	83
DIOCESAN SISTERS COL	2	0	0	0	0	2	0	0	0
EASTERN CONN STATE COL	73	0	0	0	0	73	0	0	0
FAIRFIELD UNIV	205	0	0	3	0	122	0	0	80
HARTFORD COL FOR WOMEN**	21	0	0	0	0	21	0	0	0
HARTFORD SEM FOUND	5	0	0	0	0	0	0	0	5
MANCHESTER COMM COL**	90	0	0	0	0	90	0	0	0
MITCHELL COL**	29	0	0	0	0	29	0	0	0
NEW HAVEN COL	177	0	0	0	0	177	0	0	0
NORTHWESTN CONN COMM COL	7	0	0	0	0	7	0	0	0
NORWALK COMM COL**	32	0	0	0	0	32	0	0	0
POST JR COL**	196	0	0	0	0	196	0	0	0
QUINNIPIAC COL	90	0	0	0	0	90	0	0	0
SACRED HEART UNIV	424	0	0	0	0	424	0	0	0
SOUTHERN CONN STATE COL	1,205	0	0	0	0	1,189	0	0	16
ST JOSEPH COL	98	0	0	0	0	73	0	0	25
TRINITY COL	858	0	0	0	0	841	0	0	17
UNIV OF BRIDGEPORT	1,259	0	0	12	0	1,150	0	0	97
UNIV OF CONNECTICUT	20,681	878	71	21	483	17,472	193	439	1,124
UNIV OF HARTFORD	915	0	0	4	0	903	0	0	8
WATERBURY STATE TECH INST**	244	0	0	0	0	244	0	0	0
WESLEYAN UNIV	1,949	0	0	0	15	1,160	0	6	768
WESTERN CONN STATE COL	63	0	0	0	0	61	0	0	2
YALE UNIV	32,824	31	4,252	21	2,283	19,787	100	709	5,641
DELAWARE									
STATE TOTAL	4,103	752	94	51	334	1,997	88	79	708
DELAWARE STATE COL	295	12	0	0	0	275	0	0	8
UNIV OF DELAWARE	3,794	740	94	51	334	1,708	88	79	700
WESLEY COL**	14	0	0	0	0	14	0	0	0
DISTRICT OF COLUMBIA									
STATE TOTAL	54,666	30	241	75	3,875	45,612	73	1,759	3,001
AMER UNIV	3,187	2	35	7	828	1,883	0	35	397
CAPITOL INST OF TECH	49	0	0	0	0	49	0	0	0
CATHOLIC UNIV OF AMER	5,297	1	136	23	721	3,311	56	231	818
DIST OF COL TCHRS COL	190	0	0	0	0	188	0	0	2
DUNBARTON COL HOLY CROSS	74	0	0	0	0	74	0	0	0
GALLAUDET COL	3,700	0	0	0	0	3,698	0	0	2
GEORGE WASHINGTON UNIV	10,310	2	3	33	1,713	6,412	0	1,288	859
GEORGETOWN UNIV	9,521	0	59	12	352	8,247	17	103	731
HOWARD UNIV	21,873	25	8	0	213	21,339	0	102	186
IMMACULATA COL OF WASH **	6	0	0	0	0	6	0	0	0
MOUNT VERNON JR COL**	10	0	0	0	0	10	0	0	0
SOUTHEASTERN UNIV	8	0	0	0	0	8	0	0	0
TRINITY COL	237	0	0	0	0	231	0	0	6
WASH SCH OF PSYCHIATRY	204	0	0	0	48	156	0	0	0
FLORIDA									
STATE TOTAL	73,012	2,195	1,801	378	5,561	54,121	917	1,606	6,433
ALACHUA COUNTY JR COL	10	0	0	0	0	10	0	0	0
BARRY COL	634	0	0	0	0	634	0	0	0
BETHUNE-COOKMAN COL	362	0	0	0	0	362	0	0	0
BISCAYNE COL	17	0	0	0	0	17	0	0	0
BREVARD JR COL**	57	0	0	0	0	57	0	0	0
CENTRAL FLORIDA JR COL**	79	0	0	0	0	79	0	0	0
CHIPOLA JR COL**	36	0	0	0	0	36	0	0	0
DAYTONA BEACH JR COL**	992	0	0	0	0	992	0	0	0
EDISON JR COL**	164	0	0	0	0	164	0	0	0
EDWARD WATERS COL	302	0	0	0	0	302	0	0	0
EMBRY-RIDDLE AERO INST	67	0	0	0	0	67	0	0	0
FLORIDA AGR & MECH UNIV	396	15	0	3	0	296	0	0	82
FLORIDA ATLANTIC UNIV	569	1	0	0	42	328	117	0	81
FLORIDA INST OF TECH	140	0	0	7	0	82	0	0	51

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
FLORIDA									
FLORIDA JR COL**	5	0	0	0	0	5	0	0	0
FLORIDA KEYS JR COL**	387	0	0	0	0	387	0	0	0
FLORIDA MEMORIAL COL	216	0	0	0	0	216	0	0	0
FLORIDA PRESBYTERIAN COL	974	0	0	0	0	955	0	0	19
FLORIDA SOUTHERN COL	429	0	0	0	38	391	0	0	0
FLORIDA STATE UNIV	11,771	43	1,122	176	913	7,404	135	312	1,666
FLORIDA TECHNOLOGICL UNIV	1,266	0	0	0	0	1,266	0	0	0
GULF COAST JR COL**	31	0	0	0	0	31	0	0	0
INDIAN RIVER JR COL**	183	0	0	0	0	183	0	0	0
JACKSONVILLE UNIV	349	0	0	0	0	349	0	0	0
JONES COL**	86	0	0	0	0	86	0	0	0
JR COL OF BROWARD COUNTY **	524	0	0	0	0	524	0	0	0
LAKE CITY JR COL**	128	0	0	0	0	128	0	0	0
LAKE-SUMTER JR COL**	19	0	0	0	0	19	0	0	0
MANATEE JR COL **	40	0	0	0	0	40	0	0	0
MARYMOUNT COL**	13	0	0	0	0	13	0	0	0
MIAMI-DADE JR COL**	799	0	0	0	0	799	0	0	0
NEW COL	53	0	0	0	0	51	0	0	2
NORTH FLORIDA JR COL **	143	0	0	0	0	143	0	0	0
NOVA UNIV OF ADV TECH	961	0	0	0	179	553	0	0	229
OKALOOSA-WALTON JR COL**	1,009	0	0	0	0	1,009	0	0	0
ORLANDO JR COL **	5	0	0	0	0	5	0	0	0
PALM BEACH JR COL**	55	0	0	0	0	55	0	0	0
PENSACOLA JR COL**	30	0	0	0	0	30	0	0	0
POLK JR COL**	1	1	0	0	0	0	0	0	0
ROLLINS COL	384	0	0	0	0	358	0	0	26
SANTA FE JR COL**	36	0	0	0	0	36	0	0	0
SEMINOLE JR COL**	26	0	0	0	0	26	0	0	0
SOUTH FLORIDA JR COL **	8	0	0	0	0	8	0	0	0
SOUTH-EASTERN BIBLE COL	116	0	0	0	0	116	0	0	0
ST JOHNS RIVER JR COL**	335	0	0	0	0	335	0	0	0
ST JOSEPH COL OF FLORIDA **	16	0	0	0	0	16	0	0	0
ST LEO COL	77	0	0	0	0	77	0	0	0
ST PETERSBURG JR COL**	167	0	0	0	0	167	0	0	0
STETSON UNIV	388	0	0	0	0	365	0	0	23
TALLAHASSEE JR COL **	135	0	0	0	0	135	0	0	0
UNIV OF FLORIDA	23,346	2,134	557	43	1,417	16,610	290	703	1,592
UNIV OF MIAMI	21,576	0	122	149	2,945	14,978	336	567	2,479
UNIV OF SOUTH FLORIDA	2,476	1	0	0	27	2,203	39	24	182
UNIV OF TAMPA	457	0	0	0	0	456	0	0	1
UNIV OF WEST FLORIDA	167	0	0	0	0	167	0	0	0
GEORGIA									
STATE TOTAL	52,718	4,629	843	89	1,753	39,716	418	1,274	3,996
ABRAHAM BALDWIN AGR COL **	364	1	0	0	0	363	0	0	0
AGNES SCOTT COL	6	0	0	0	0	6	0	0	0
ALBANY JR COL**	29	0	0	0	0	29	0	0	0
ALBANY STATE COL	236	0	0	3	10	159	0	0	64
ANDREW COL**	53	0	0	0	0	53	0	0	0
ARMSTRONG STATE COL	411	1	0	0	0	406	0	0	4
ATLANTA SCH OF ART	6	0	0	0	0	6	0	0	0
ATLANTA UNIV	978	5	0	0	0	713	0	0	260
AUGUSTA COL	39	0	0	0	0	37	0	0	2
BERRY COL	388	0	0	0	0	388	0	0	0
BREWTON-PARKER COL **	20	0	0	0	0	20	0	0	0
BRUNSWICK JR COL **	350	0	0	0	0	350	0	0	0
CLARK COL	212	0	0	0	0	154	0	0	58
COLUMBUS COL **	871	0	0	0	0	871	0	0	0
DALTON JR COL	241	0	0	0	0	241	0	0	0
DEKALB COL **	59	0	0	0	0	59	0	0	0
EMMANUEL COL **	19	0	0	0	0	19	0	0	0
EMORY UNIV	15,474	1	66	0	35	14,547	6	321	498
FORT VALLEY STATE COL	188	25	0	0	0	163	0	0	0
GAINESVILLE JR COL	162	0	0	0	0	162	0	0	0
GEORGIA INST OF TECH	5,660	2	402	37	886	2,075	227	768	1,263
GEORGIA MILITARY COL**	5	0	0	0	0	5	0	0	0
GEORGIA SOUTHERN COL	330	0	0	0	0	320	0	0	10
GEORGIA SOUTHWESTERN COL	288	0	0	0	0	288	0	0	0
GEORGIA STATE COL	2,482	0	0	6	10	2,442	7	0	17
JOHN MARSHALL UNIV	5	0	0	0	0	5	0	0	0
KENNESAW JR COL	37	0	0	0	0	37	0	0	0
LA GRANGE COL	114	0	0	0	0	114	0	0	0
MEDICAL COL OF GEORGIA	2,554	0	0	0	10	2,533	0	0	11
MERCER UNIV	126	0	0	0	0	76	0	0	50

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
GEORGIA									
MIDDLE GEORGIA COL**	93	0	0	0	0	93	0	0	0
MOREHOUSE COL	626	0	0	0	0	594	0	0	32
MORRIS BROWN COL	236	0	0	0	0	236	0	0	0
NORMAN COL**	27	0	0	0	0	27	0	0	0
NORTH GEORGIA COL	99	0	0	0	0	99	0	0	0
OGLETHORPE COL	34	0	0	0	0	34	0	0	0
PAINE COL	278	0	0	0	0	276	0	0	2
PIEDMONT COL	79	0	0	0	0	79	0	0	0
REINHARDT COL **	635	0	0	0	0	635	0	0	0
SAVANNAH STATE COL	124	0	0	0	0	119	0	0	5
SHORTER COL	8	0	0	0	0	8	0	0	0
SOUTH GEORGIA COL**	132	0	0	0	0	132	0	0	0
SOUTHERN COL OF PHARMACY	3	0	0	0	0	3	0	0	0
SPELMAN COL	96	0	0	0	0	96	0	0	0
TIFT COL	24	0	0	0	0	24	0	0	0
UNIV OF GEORGIA	16,228	4,594	374	37	802	8,357	178	185	1,701
VALDOSTA ST COL	618	0	1	0	0	617	0	0	0
WESLEYAN COL	53	0	0	0	0	53	0	0	0
WEST GEORGIA COL	1,493	0	0	6	0	1,474	0	0	13
WOMENS COL OF GEORGIA	101	0	0	0	0	95	0	0	6
YOUNG HARRIS COL **	24	0	0	0	0	24	0	0	0
HAWAII									
STATE TOTAL	16,856	877	607	53	922	8,518	150	1,901	3,828
CHAMINADE COL OF HONOLULU	48	0	0	0	0	48	0	0	0
HAWAII LOA COLLEGE	97	0	0	0	0	97	0	0	0
UNIV OF HAWAII	16,711	877	607	53	922	8,373	150	1,901	3,828
IDAHO									
STATE TOTAL	5,907	1,383	54	0	40	3,786	121	36	487
BOISE COL	116	0	1	0	0	115	0	0	0
COL OF IDAHO	183	0	0	0	0	155	0	0	28
COL OF SOUTHERN IDAHO**	793	0	0	0	0	793	0	0	0
IDAHO STATE UNIV	924	0	39	0	0	728	0	0	157
LEWIS CLARK NORMAL SCHOOL	21	0	0	0	0	21	0	0	0
MAGIC VLY CHRISTIAN COL**	18	0	0	0	0	18	0	0	0
NORTHWEST NAZARENE COL	546	0	0	0	0	531	0	0	15
UNIV OF IDAHO	3,306	1,383	14	0	40	1,425	121	36	287
ILLINOIS									
STATE TOTAL	172,843	4,517	10,905	405	18,456	105,908	822	5,150	26,680
AUGUSTANA COL	1,323	0	0	0	0	1,284	0	0	39
AURORA COL	311	0	0	0	0	311	0	0	0
BARAT COL OF SACRED HEART	95	0	0	0	0	95	0	0	0
BELLEVILLE JR COL**	12	0	0	0	0	12	0	0	0
BLACK HAWK COL**	20	0	0	0	0	20	0	0	0
BLACKBURN COL	50	0	0	0	0	50	0	0	0
BLOOM COMM COL**	11	0	0	0	0	11	0	0	0
BRADLEY UNIV	459	5	0	0	0	378	0	0	76
CANTON COMM COL**	2	0	0	0	0	2	0	0	0
CENTRAL YMCA COMM COL **	766	0	0	0	0	766	0	0	0
CHICAGO CITY JR COL **	1,892	0	0	0	0	1,887	0	0	5
CHICAGO COL OF OSTEOPATHY	2,273	0	0	0	0	2,273	0	0	0
CHICAGO MEDICAL SCHOOL	2,445	0	0	0	67	2,367	0	0	11
CHICAGO-KENT COL OF LAW	7	0	0	0	0	7	0	0	0
COL OF ST FRANCIS	15	0	0	0	0	13	0	0	2
COLUMBIA COL	8	0	0	0	0	8	0	0	0
CONCORDIA TCHRS COL	54	0	0	0	0	54	0	0	0
DANVILLE JR COL **	85	0	0	0	0	85	0	0	0
DEPAUL UNIV	1,105	0	0	0	0	1,036	0	0	69
EASTERN ILLINOIS UNIV	634	0	0	0	0	521	32	0	81
ELGIN COMM COL **	30	0	0	0	0	30	0	0	0
ELMHURST COL	15	0	0	0	0	12	0	0	3
EUREKA COL	343	1	0	0	0	336	0	0	6
FREEPORT COMM COL**	21	0	0	0	0	21	0	0	0
GEORGE WILLIAMS COL	175	0	0	0	0	175	0	0	0
GREENVILLE COL	84	0	0	0	0	84	0	0	0
HEBREW THEOL COL	23	0	0	0	0	23	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
ILLINOIS									
ILLINOIS COL	106	0	0	0	0	104	0	0	2
ILLINOIS COL OF PODIATRY	110	0	0	0	0	110	0	0	0
ILLINOIS INST OF TECH	4,450	0	77	84	814	1,329	204	377	1,565
ILLINOIS STATE COL	930	0	0	0	0	928	0	0	2
ILLINOIS STATE UNIV	1,095	0	35	0	0	1,009	0	0	51
ILLINOIS WESLEYAN UNIV	189	0	0	0	0	146	0	0	43
JOLIET JR COL**	72	0	0	0	0	72	0	0	0
JUDSON COL	43	0	0	0	0	43	0	0	0
KASKASKIA COL **	9	0	0	0	0	9	0	0	0
KENDALL COL**	23	0	0	0	0	23	0	0	0
KNOX COL	1,504	0	0	0	0	1,340	0	0	164
LA SALLE-PERU-OGLESBY J C **	8	0	0	0	0	8	0	0	0
LAKE FOREST COL	193	0	0	0	0	92	0	0	101
ILLINOIS COLLEGE OF OPTOMETRY	186	0	0	0	0	186	0	0	0
LEWIS COL	1,097	0	0	0	0	1,087	0	0	10
LINCOLN COL**	14	0	0	0	0	14	0	0	0
LOYOLA UNIV	3,643	0	58	0	75	3,400	0	0	110
LYONS TOWNSHIP JR COL**	3	0	0	0	0	3	0	0	0
MACCORMAC COL**	6	0	0	0	0	6	0	0	0
MACMURRAY COL	275	0	7	0	0	122	0	0	146
MCKENDREE COL	247	0	0	0	0	247	0	0	0
MILLIKIN UNIV	1,354	0	0	0	0	1,354	0	0	0
MONMOUTH COL	116	0	0	0	0	107	0	0	9
MONTICELLO COL**	42	0	0	0	0	42	0	0	0
MOUNT VERNON COMM COL**	15	0	0	0	0	15	0	0	0
MUNDELEIN COL	205	0	0	0	0	203	0	0	2
NAT COL OF EDUCATION	143	0	0	0	0	143	0	0	0
NORTH CENTRAL COL	97	0	0	0	0	91	0	0	6
NORTH PARK COL	79	0	0	0	0	75	0	0	4
NORTHERN ILLINOIS UNIV	4,372	0	0	0	0	4,029	0	0	343
NORTHWESTERN UNIV	19,649	68	358	8	2,264	11,736	174	1,153	3,888
OLIVET NAZARENE COL	170	0	0	0	0	170	0	0	0
OLNEY COMM COL **	7	0	0	0	0	7	0	0	0
PRINCIPIA COL	13	0	0	0	0	13	0	0	0
QUINCY COL	300	0	0	0	0	287	0	0	13
ROCK VALLEY COL**	136	0	0	0	0	136	0	0	0
ROCKFORD COL	10	0	0	0	0	2	0	0	8
ROOSEVELT UNIV	412	0	0	0	0	395	0	0	17
ROSARY COL	983	0	0	0	12	971	0	0	0
SAUK VALLEY COL**	47	0	0	0	0	47	0	0	0
SCHOOLS OF THE ART INST	62	0	0	0	0	62	0	0	0
SHIMER COL	231	0	0	0	0	231	0	0	0
SOUTHERN ILLINOIS UNIV	6,146	39	2	3	83	5,515	0	41	463
SPRINGFIELD JR COL **	5	0	0	0	0	5	0	0	0
ST DOMINIC COL	21	0	0	0	0	21	0	0	0
ST PROCOPIUS COL	138	0	83	0	0	52	0	0	3
ST XAVIER COL	389	0	0	0	0	389	0	0	0
THORNTON JR COL**	48	0	0	0	0	48	0	0	0
TRINITY CHRISTIAN COL**	256	0	0	0	0	256	0	0	0
TRINITY COL	162	0	0	0	0	162	0	0	0
TRITON COL**	49	0	0	0	0	49	0	0	0
UNIV OF CHICAGO	43,616	70	5,446	103	2,828	24,557	0	2,458	8,154
UNIV OF ILLINOIS	63,660	4,332	4,839	207	12,313	29,202	412	1,121	11,234
WABASH VALLEY COL**	23	0	0	0	0	23	0	0	0
WESTERN ILLINOIS UNIV	200	2	0	0	0	156	0	0	42
WHEATON COL	74	0	0	0	0	66	0	0	8
WILLIAM RAINEY HARPER COL	3,152	0	0	0	0	3,152	0	0	0
INDIANA									
STATE TOTAL	84,893	4,032	3,116	7	2,951	51,959	334	2,114	20,380
ANDERSON COL	225	0	0	0	0	225	0	0	0
BALL STATE UNIV	2,616	0	23	0	0	2,458	0	1	134
BETHEL COL	38	0	0	0	0	38	0	0	0
BUTLER UNIV	53	0	11	0	0	26	0	0	16
CONCORDIA SENIOR COL	7	0	0	0	0	7	0	0	0
DEPAUW UNIV	2,602	0	0	0	0	2,535	7	0	60
EARLHAM COL	209	0	0	0	0	124	0	0	85
FORT WAYNE ART SCHOOL	4	0	0	0	0	4	0	0	0
FRANKLIN COL OF INDIANA	94	0	0	0	0	48	0	0	46
GOSHEN COL	272	0	0	0	0	270	0	0	2
GRACE THEOL SEM	78	0	0	0	0	78	0	0	0
HANOVER COL	4	0	0	0	0	0	0	0	4
HERRON SCHOOL OF ART	32	0	0	0	0	32	0	0	0
HUNTINGTON COL	47	0	0	0	0	47	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
INDIANA									
INDIANA CENTRAL COL	50	1	0	0	0	43	0	0	6
INDIANA INST OF TECH	42	0	0	0	0	42	0	0	0
INDIANA NORTHERN UNIV	4	0	0	0	0	4	0	0	0
INDIANA STATE UNIV	3,410	0	19	0	0	3,311	0	0	80
INDIANA UNIV	33,035	0	188	0	647	23,876	8	868	7,448
MANCHESTER COL	139	0	0	0	0	129	0	0	10
MARIAN COL	338	0	0	0	0	338	0	0	0
MARION COL	440	0	0	0	0	440	0	0	0
OAKLAND CITY COL	36	0	0	0	0	36	0	0	0
PURDUE UNIV	27,170	4,031	1,386	7	1,626	13,327	281	975	5,537
ROSE POLYTECHNIC INST	272	0	27	0	0	187	13	16	29
ST BENEDICT COL	6	0	0	0	0	6	0	0	0
ST FRANCIS COL	57	0	0	0	0	57	0	0	0
ST JOSEPH'S COL	107	0	0	0	0	101	0	0	6
ST MARY-OF-THE-WOODS COL	5	0	0	0	0	5	0	0	0
ST MARYS COL	80	0	0	0	0	79	0	0	1
ST MEINRAD SEM	7	0	0	0	0	7	0	0	0
TAYLOR UNIV	99	0	4	0	0	95	0	0	0
TRI-ST COL	100	0	0	0	0	98	0	0	2
UNIV OF EVANSVILLE	270	0	0	0	0	259	0	0	11
UNIV OF NOTRE DAME	11,633	0	1,458	0	678	2,439	25	254	6,779
VALPARAISO UNIV	642	0	0	0	0	552	0	0	90
VINCENNES UNIV JR COL **	581	0	0	0	0	579	0	0	2
WABASH COL	89	0	0	0	0	57	0	0	32
IOWA									
STATE TOTAL	42,942	4,098	580	123	1,421	30,089	273	2,343	4,015
AREA TEN COMMUNITY COL**	895	0	0	0	0	895	0	0	0
BRIAR CLIFF COL	42	0	0	0	0	42	0	0	0
BUENA VISTA COL	409	0	0	1	0	408	0	0	0
BURLINGTON COMM COL**	9	0	0	0	0	9	0	0	0
CENTRAL COL	654	0	0	0	0	589	0	0	65
CLARINDA COMM COL**	48	0	0	0	0	48	0	0	0
CLARKE COL	351	0	0	2	0	347	0	0	2
CLINTON JR COL**	15	0	0	0	0	15	0	0	0
COE COL	218	0	0	0	0	178	0	0	40
COL OF OSTEOPATH MED SURG	388	0	0	0	0	388	0	0	0
CORNELL COL	53	0	0	0	0	24	0	0	29
CRESTON COMM COL**	673	0	0	0	0	673	0	0	0
CTRVILLE COMM COL**	30	0	0	0	0	30	0	0	0
DIVINE WORD COL	13	0	0	0	0	0	0	0	13
DORDT COL	171	0	13	0	0	151	0	0	7
DRAKE UNIV	1,571	0	0	8	0	1,365	0	0	198
EAGLE GROVE JR COL **	9	0	0	0	0	9	0	0	0
ELLSWORTH JR COL **	54	0	0	0	0	54	0	0	0
EMMETSBURG COMM COL **	17	0	0	0	0	17	0	0	0
ESTHERVILLE JR COL **	61	0	0	0	0	61	0	0	0
GRACELAND COL	434	0	0	0	0	425	0	0	9
GRAND VIEW COL**	41	1	0	0	0	40	0	0	0
GRINNELL COL	869	0	0	0	0	625	0	0	244
IOWA CENTRAL COMM COL**	260	0	0	0	0	260	0	0	0
IOWA STATE UNIV	12,070	4,096	552	86	1,019	4,577	235	250	1,255
IOWA WESLEYAN COL	73	0	0	2	0	69	0	0	2
KEOKUK COMM COL**	14	0	1	0	0	13	0	0	0
LORAS COL	20	0	0	0	0	9	0	0	11
LUTHER COL	271	0	0	0	0	249	0	0	22
MARSHALLTOWN COMM COL**	88	0	0	0	0	88	0	0	0
MARYCREST COL	102	0	0	0	0	102	0	0	0
MIDWESTERN COL	63	0	0	0	0	61	0	0	2
MORNINGSIDE COL	258	0	0	1	0	257	0	0	0
MOUNT MERCY COL	59	0	0	0	0	55	0	0	4
MUSCATINE COMM COL **	28	0	0	0	0	28	0	0	0
NORTH IOWA AREA COMM COL **	104	0	0	0	0	104	0	0	0
NORTHWESTERN COL	76	0	0	0	0	74	0	0	2
OTTUMWA HEIGHTS COL **	16	0	0	0	0	16	0	0	0
PALMER JR COL	7	0	0	0	0	7	0	0	0
PARSONS COL	154	0	0	0	0	154	0	0	0
SIMPSON COL	384	0	0	0	0	374	0	0	10
SIOUX EMPIRE COL	5	0	0	0	0	5	0	0	0
ST AMBROSE COL	560	0	0	0	0	558	0	0	2
UNIV OF DUBUQUE	39	0	0	0	0	39	0	0	0
UNIV OF IOWA	19,148	1	14	21	402	14,885	38	2,093	1,694
UNIV OF NORTHERN IOWA	953	0	0	2	0	566	0	0	385
UPPER IOWA UNIV	118	0	0	0	0	118	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
IOWA									
VENNARD COL	48	0	0	0	0	48	0	0	0
WALDORF COL**	88	0	0	0	0	88	0	0	0
WARTBURG COL	370	0	0	0	0	354	0	0	16
WEBSTER CITY JR COL **	72	0	0	0	0	71	0	0	1
WESTMAR COL	233	0	0	0	0	231	0	0	2
WILLIAM PENN COL	236	0	0	0	0	236	0	0	0
KANSAS									
STATE TOTAL	38,082	2,784	578	62	732	26,721	712	2,666	3,827
ALLEN COUNTY COMM JR COL**	827	0	0	0	0	827	0	0	0
BAKER UNIV	84	0	0	0	0	84	0	0	0
BARTON CO COMM JR COLLEGE	1,271	0	0	0	0	1,271	0	0	0
BETHANY COL	45	0	0	0	0	43	0	0	2
BETHEL COL	71	0	0	0	0	71	0	0	0
CENTRAL COL**	52	0	0	0	0	52	0	0	0
CLOUD COUNTY COMM JR COL**	28	0	0	0	0	28	0	0	0
COFFEYVILLE COMM JR COL**	40	0	0	0	0	40	0	0	0
COL OF EMPORIA	166	0	0	0	0	166	0	0	0
COLBY COMM JR COL**	68	0	0	0	0	68	0	0	0
COWLEY COUNTY COMM JR COL**	8	0	0	0	0	8	0	0	0
DODGE CITY COMM JR COL**	1,064	0	0	0	0	1,064	0	0	0
DONNELLY COL**	32	0	0	0	0	32	0	0	0
FORT HAYS KANSAS ST COL	361	0	0	0	0	299	0	0	62
FORT SCOTT COMM JR COL**	98	0	0	0	0	98	0	0	0
FRIENDS BIBLE COL	5	0	0	0	0	5	0	0	0
FRIENDS UNIV	49	0	0	0	0	49	0	0	0
GARDEN CITY COMM JR COL**	9	0	0	0	0	9	0	0	0
HESSTON COL**	91	0	0	0	0	91	0	0	0
HIGHLAND COMM JR COL **	15	0	0	0	0	15	0	0	0
HUTCHINSON COMM JR COL**	26	0	0	0	0	26	0	0	0
INDEPENDENCE COMM JR COL**	19	0	0	0	0	17	0	0	2
KANS CITY COMM JR COL**	23	0	0	0	0	23	0	0	0
KANSAS STATE COL	850	0	0	0	0	702	0	0	148
KANSAS STATE TCHRS COL	1,467	0	0	0	0	1,032	15	0	420
KANSAS STATE UNIV	8,478	2,784	99	33	269	3,676	444	224	949
KANSAS WESLEYAN UNIV	570	0	0	0	0	570	0	0	0
LABETTE COMM JR COL**	17	0	0	0	0	17	0	0	0
MARYMOUNT COL	67	0	0	0	0	67	0	0	0
MCPHERSON COL	369	0	0	0	0	366	0	0	3
MILTONVALE WESLEYAN COL	20	0	0	0	0	20	0	0	0
MOUNT ST SCHOLASTICA COL	92	0	0	0	0	90	0	0	2
NEOSHO COUNTY COMM JR COL **	93	0	0	0	0	93	0	0	0
OTTAWA UNIV	132	0	0	0	0	132	0	0	0
PRATT COMM JR COL**	25	0	0	0	0	25	0	0	0
SACRED HEART COL	115	0	0	0	0	115	0	0	0
SCHILLING INSTITUTE	4	0	0	0	0	4	0	0	0
SOUTHWESTERN COL	132	0	0	0	0	105	0	0	27
ST BENEDICTS COL	103	0	0	0	0	96	0	0	7
ST JOHNS COL**	11	0	0	0	0	11	0	0	0
ST MARY COL	71	0	0	0	0	71	0	0	0
ST MARY OF THE PLAINS COL	78	0	0	0	0	78	0	0	0
STERLING COL	50	0	0	0	0	50	0	0	0
TABOR COL	69	0	0	0	0	69	0	0	0
UNIV OF KANSAS	19,068	0	479	10	463	13,448	253	2,438	1,977
WASHBURN UNIV OF TOPEKA	1,028	0	0	0	0	947	0	0	81
WICHITA STATE UNIV	721	0	0	19	0	551	0	4	147
KENTUCKY									
STATE TOTAL	43,264	5,481	240	0	440	34,702	116	520	1,765
ALICE LLOYD COL**	329	0	0	0	0	329	0	0	0
ASBURY COL	48	0	0	0	0	25	0	0	23
ASBURY THEOL SEM	7	0	0	0	0	7	0	0	0
BELLARMINE COL	570	0	0	0	0	560	0	0	10
BEREA COL	860	2	0	0	0	668	0	0	190
BRESCIA COL	521	0	0	0	0	519	0	0	2
CAMPBELLSVILLE COL	117	0	0	0	0	115	0	0	2
CATHERINE SPALDING COL	575	0	0	0	0	573	0	0	2
CENTRE COL OF KENTUCKY	92	0	0	0	0	58	0	0	34
CUMBERLAND COL	206	0	0	0	0	206	0	0	0
EASTERN KENTUCKY UNIV	1,633	0	0	0	0	1,611	0	0	22
GEORGETOWN COL	102	0	0	0	0	102	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
KENTUCKY									
KENTUCKY SOUTHERN COL	8	0	0	0	0	8	0	0	0
KENTUCKY STATE COL	133	19	0	0	0	114	0	0	0
KENTUCKY WESLEYAN COL	17	0	0	0	0	9	0	0	8
LEES JR COL**	118	0	0	0	0	118	0	0	0
MIDWAY JR COL**	96	0	0	0	0	96	0	0	0
MOREHEAD STATE UNIV	1,706	0	5	0	0	1,530	0	0	171
MURRAY STATE UNIV	1,721	0	39	0	0	1,570	0	0	112
NAZARETH COL OF KENTUCKY	10	0	0	0	0	10	0	0	0
PADUCAH JR COL**	23	0	0	0	0	23	0	0	0
PIKEVILLE COL	112	0	0	0	0	112	0	0	0
SOUTHEASTN CHRISTIAN COL**	22	0	0	0	0	22	0	0	0
ST CATHARINE JR CCL**	83	0	0	0	0	81	0	0	2
TRANSYLVANIA COL	485	0	0	0	0	485	0	0	0
UNION COL	170	0	0	0	0	170	0	0	0
UNIV OF KENTUCKY	16,427	5,397	163	0	217	9,526	116	334	674
UNIV OF LOUISVILLE	14,993	63	33	0	223	14,111	0	186	377
URSULINE COL	34	0	0	0	0	34	0	0	0
VILLA MADONNA COL	581	0	0	0	0	556	0	0	25
WESTERN KENTUCKY UNIV	1,465	0	0	0	0	1,354	0	0	111
LOUISIANA									
STATE TOTAL	48,653	2,984	335	50	1,033	39,582	346	769	3,554
CENTENARY COL	63	0	0	0	0	61	0	0	2
DELGADO COLLEGE	996	0	0	0	0	996	0	0	0
DILLARD UNIV	308	0	0	0	0	262	0	0	46
FRANCIS T NICHOLLS ST COL	547	0	0	0	0	477	0	0	70
GRAMBLING COL	1,596	0	0	0	0	1,579	0	0	17
L A ST UNIV CENTRAL SYS*	6,477	0	0	0	381	6,096	0	0	0
LA ST UNIV BATON ROUGE	3,117	0	0	14	75	1,394	202	0	1,432
LA ST UNIV NEW ORLEANS	6,898	2,920	282	0	98	2,833	0	580	185
LA ST UNIV MEDICAL CTR	556	0	0	0	0	546	0	0	10
LOUISIANA COL	9	0	0	0	0	0	0	0	9
LOUISIANA POLY INST	1,341	2	0	20	0	1,276	0	0	43
LOYOLA UNIV	1,121	0	0	0	0	824	47	0	250
MCNEESE STATE COL	910	0	0	0	0	893	0	0	17
NORTHEAST LA ST COL	2,225	0	0	0	0	2,140	0	19	66
NORTHWESTERN ST COL OF LA	1,369	29	5	0	0	1,239	5	0	91
SOUTHEASTERN LA COL	887	0	0	0	0	887	0	0	0
SOUTHERN UNIV	1,708	31	0	0	0	1,557	0	0	120
ST MARYS DOMINICAN COL	40	0	0	0	0	38	0	0	2
TULANE UNIV	15,615	2	48	3	479	13,795	26	170	1,092
UNIV OF SOUTHWESTERN LA	1,456	0	0	13	0	1,275	66	0	102
XAVIER UNIV	1,414	0	0	0	0	1,414	0	0	0
MAINE									
STATE TOTAL	6,388	1,323	23	61	0	3,923	181	57	820
AROUSTOCK STATE COL	122	0	0	0	0	122	0	0	0
BATES COL	48	0	0	0	0	48	0	0	0
BOWDOIN COL	521	0	0	9	0	56	0	0	456
COLBY COL	167	0	0	0	0	42	0	0	125
FARMINGTON STATE COL	76	0	0	0	0	64	0	0	12
FORT KENT STATE COL	38	0	0	0	0	38	0	0	0
GORHAM STATE COL	158	0	0	0	0	158	0	0	0
HUSSON COL	62	0	0	0	0	62	0	0	0
MAINE MARITIME ACADEMY	19	0	0	0	0	19	0	0	0
NASSON COL	283	0	0	0	0	283	0	0	0
NORTHERN CONSERV OF MUSIC	6	0	0	0	0	6	0	0	0
RICKER COL	47	0	0	0	0	45	0	0	2
ST FRANCIS COL	280	0	0	0	0	280	0	0	0
ST JOSEPHS COL	31	0	0	0	0	31	0	0	0
THOMAS COL	24	0	0	0	0	24	0	0	0
UNIV OF MAINE	4,395	1,323	23	52	0	2,534	181	57	225
WASHINGTON STATE COL	31	0	0	0	0	31	0	0	0
WESTBROOK JR COL	80	0	0	0	0	80	0	0	0
MARYLAND									
STATE TOTAL	82,683	1,696	3,178	187	6,745	58,183	316	3,173	9,205
ALLEGANY COMM COL**	219	0	0	0	0	219	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
MARYLAND									
ANNE ARUNDEL COMM COL**	73	0	0	0	0	73	0	0	0
BALTIMORE JR COL**	77	0	0	0	0	77	0	0	0
BOWIE STATE COL	204	0	0	0	0	204	0	0	0
CATONSVILLE COMM COL**	23	0	0	0	0	23	0	0	0
CHARLES COUNTY COMM COL**	25	0	0	0	0	25	0	0	0
COL OF NOTRE DAME OF MD	48	0	0	0	0	48	0	0	0
COLUMBIA UNION COL	142	0	0	0	0	142	0	0	0
COPPIN STATE COL	114	0	0	0	0	114	0	0	0
ESSEX COMM COL**	980	0	0	0	0	980	0	0	0
FREDERICK COMM COL**	7	0	0	0	0	7	0	0	0
FROSTBURG STATE COL	67	0	0	0	0	41	0	0	26
GOUCHER COL	98	0	0	0	3	67	0	0	28
HAGERSTOWN JR COL**	8	0	0	0	0	8	0	0	0
HARFORD JR COL**	46	0	0	0	0	46	0	0	0
HOOD COL	53	0	0	0	0	19	0	0	34
JOHNS HOPKINS UNIV	37,139	8	979	45	3,378	29,643	104	628	2,354
LOYOLA COL	148	0	0	0	0	146	0	0	2
MARYLAND INST COL OF ART	82	0	0	0	0	82	0	0	0
MONTGOMERY JR COL**	49	1	3	0	0	45	0	0	0
MORGAN STATE COL	1,640	0	0	0	0	1,460	2	0	178
MT ST AGNES COL	39	0	0	0	0	39	0	0	0
MT ST MARYS COL	8	0	0	0	0	8	0	0	0
NER ISRAEL RABBINICAL COL	37	0	0	0	0	37	0	0	0
PEABODY INST OF BALTIMORE	90	0	0	0	0	90	0	0	0
PRINCE GEORGES COMM COL**	985	0	0	0	0	985	0	0	0
SALISBURY STATE COL	13	0	0	0	0	13	0	0	0
ST JOHNS COL	339	0	0	0	0	337	0	0	2
ST JOSEPH COL	80	0	0	0	0	80	0	0	0
ST MARYS COL OF MD**	24	0	0	0	0	24	0	0	0
TOWSON STATE COL	1,982	0	0	0	0	1,978	0	0	4
UNIV OF MARYLAND	37,521	1,687	2,196	142	3,357	20,890	210	2,515	6,524
VILLA JULIE COL**	26	0	0	0	0	26	0	0	0
WASHINGTON COL	196	0	0	0	7	187	0	0	2
WESTERN MARYLAND COL	51	0	0	0	0	0	0	0	51
WOODSTOCK COL	45	0	0	0	0	15	0	30	0
XAVERIAN COL**	5	0	0	0	0	5	0	0	0
MASSACHUSETTS									
STATE TOTAL	229,902	1,646	5,919	176	58,458	104,462	910	30,158	28,173
AMERICAN INTL COL	219	0	0	0	0	219	0	0	0
AMHERST COL	637	0	0	0	0	419	0	0	218
ANNA MARIA COL FOR WOMEN	31	0	0	0	0	31	0	0	0
AQUINAS SCHOOL**	9	0	0	0	0	9	0	0	0
ASSUMPTION COL	223	0	0	0	0	186	0	0	37
ATLANTIC UNION COL	172	0	0	0	0	143	0	0	29
AUGUSTINIAN COL MERRIMACK	161	0	0	0	0	157	0	0	4
BABSON INST OF BUS ADMIN	22	0	0	0	0	22	0	0	0
BAY PATH JR COL**	5	0	0	0	0	5	0	0	0
BECKER JR COL**	12	0	0	0	0	12	0	0	0
BENTLEY COL OF ACCT & FIN	293	0	0	0	0	293	0	0	0
BERKSHIRE CHRISTIAN COL	17	0	0	0	0	17	0	0	0
BERKSHIRE COMM COL**	3,463	0	0	0	0	3,463	0	0	0
BOSTON ARCHITECTURAL CTR	5	0	0	0	0	5	0	0	0
BOSTON COL	6,032	0	92	0	641	4,639	54	41	565
BOSTON CONSERV OF MUSIC	577	0	0	0	0	577	0	0	0
BOSTON UNIV	18,651	114	9	0	393	17,374	0	121	640
BRADFORD JR COL**	22	0	0	0	0	22	0	0	0
BRANDEIS UNIV	6,846	0	324	0	432	4,155	0	122	1,813
CAMBRIDGE SCHOOL OF BUS**	11	0	0	0	0	11	0	0	0
CAPE COD COMM COL**	25	0	0	0	0	25	0	0	0
CARDINAL CUSHING COL	17	0	0	0	0	17	0	0	0
CLARK UNIV	2,414	0	22	0	68	1,417	0	38	869
COL OF OUR LADY OF ELMS	89	0	0	0	0	89	0	0	0
COL OF THE HOLY CROSS	407	0	0	0	0	201	0	45	161
CURRY COL	39	0	0	0	0	39	0	0	0
DEAN JR COL**	18	0	0	0	0	18	0	0	0
EASTERN NAZARENE COL	168	0	0	0	0	141	0	0	27
EMERSON COL	82	0	0	0	0	82	0	0	0
EMMANUEL COL	260	0	0	0	185	63	0	0	12
ENDICOTT JR COL**	5	0	0	0	0	5	0	0	0
FISHER JR COL**	18	0	0	0	0	18	0	0	0
FORSYTH SCH DENT HYGNSTS**	17	0	0	0	0	17	0	0	0
FRANKLIN INST OF BOSTON**	76	0	0	0	75	1	0	0	0
GARLAND JR COL**	5	0	0	0	0	5	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
MASSACHUSETTS									
GORDON COL	122	0	0	0	0	109	0	0	13
GREENFIELD COMM COL**	43	0	0	0	0	43	0	0	0
HAMPSHIRE COLLEGE	64	0	0	0	0	64	0	0	0
HARVARD UNIV	51,961	2	876	81	4,414	34,337	225	4,264	7,762
HEBREW TCHRS COL	22	0	0	0	0	22	0	0	0
HOLYOKE COMM COL**	56	0	0	0	0	56	0	0	0
LASELL JR COL**	5	0	0	0	0	5	0	0	0
LEICESTER JR COL**	277	0	0	0	0	277	0	0	0
LESLEY COL	31	0	0	0	0	31	0	0	0
LOWELL TECHNOLOGICAL INST	1,460	0	0	0	1,021	286	0	135	17
MASS BAY COMM COL**	11	0	0	0	0	11	0	0	0
MASS COL OF ART	17	0	0	0	0	17	0	0	0
MASS COL OF OPTOMETRY	113	0	0	0	0	113	0	0	0
MASS COL OF PHARMACY	48	0	4	0	0	44	0	0	0
MASS INST OF TECH	96,047	5	3,850	44	47,151	8,874	315	24,801	11,007
MOUNT HOLYOKE COL	263	0	4	0	0	226	0	0	33
MOUNT IDA JR COL**	8	0	0	0	0	8	0	0	0
MOUNT WACHUSETT COMM COL**	52	0	0	0	0	52	0	0	0
NEW ENGL CONSERV OF MUSIC	26	0	0	0	0	26	0	0	0
NEWTON COL SACRED HEART	31	0	0	0	0	31	0	0	0
NEWTON JR COL**	462	0	0	0	0	462	0	0	0
NICHOLS COL OF BUS ADMIN	23	0	0	0	0	23	0	0	0
NORTH SHORE COMM COL**	62	0	0	0	0	62	0	0	0
NORTHAMPTON COMM COL**	61	0	0	0	0	61	0	0	0
NORTHEASTERN UNIV	6,804	0	0	51	1,670	3,691	31	343	1,018
NORTHERN ESSEX COMM COL**	47	0	0	0	0	47	0	0	0
PINE MANOR JR COL**	583	0	0	0	0	583	0	0	0
QUINCY JR COL**	68	0	0	0	0	68	0	0	0
QUINSIGAMOND COMM COL **	17	0	0	0	0	17	0	0	0
REGIS COL	446	0	0	0	309	137	0	0	0
SIMMONS COL	647	0	0	0	0	577	0	0	70
SMITH COL	867	0	0	0	0	732	0	0	135
SOUTH EASTERN COMM COL	14	0	0	0	0	14	0	0	0
SOUTH SHORE COMM COL	12	0	0	0	0	12	0	0	0
SOUTHEASTN MASS TECH INST	3,292	0	0	0	0	3,015	0	0	277
SPRINGFIELD COL	531	0	0	0	0	509	0	0	22
STATE COL AT BOSTON	171	0	0	0	0	160	0	0	11
STATE COL AT BRIDGEWATER	251	0	0	0	0	193	0	0	58
STATE COL AT FITCHBURG	78	0	0	0	0	78	0	0	0
STATE COL AT FRAMINGHAM	90	0	0	0	0	90	0	0	0
STATE COL AT LOWELL	119	0	0	0	0	119	0	0	0
STATE COL AT NORTH ADAMS	21	0	0	0	0	21	0	0	0
STATE COL AT SALEM	860	0	0	0	0	840	0	0	20
STATE COL AT WESTFIELD	94	0	0	0	0	94	0	0	0
STATE COL AT WORCESTER	1,240	0	0	0	0	1,240	0	0	0
STEVENS BUSINESS COL**	16	0	0	0	0	16	0	0	0
STONEHILL COL	473	0	0	0	0	473	0	0	0
SUFFOLK UNIV	900	0	0	0	0	897	0	0	3
TUFTS UNIV	9,329	0	513	0	582	7,247	39	66	882
UNIV OF MASSACHUSETTS	7,029	1,525	208	0	314	3,519	206	140	1,117
WELLESLEY COL	257	0	17	0	0	106	0	0	134
WENTWORTH INST**	1,256	0	0	0	985	137	0	0	134
WESTERN NEW ENGLAND COL	66	0	0	0	0	57	0	0	9
WHEATON COL	221	0	0	0	0	57	0	0	164
WHEELOCK COL	80	0	0	0	0	80	0	0	0
WILLIAMS COL	458	0	0	0	46	155	0	0	257
WOODS HOLE OCEAN INST	81	0	0	0	0	81	0	0	0
WORCESTER JR COL**	15	0	0	0	0	15	0	0	0
WORCESTER POLYTECH INST	1,156	0	0	0	172	248	40	41	655
MICHIGAN									
STATE TOTAL	150,828	4,370	5,450	477	14,622	101,963	1,179	4,505	18,262
ADRIAN COL	59	0	0	0	0	58	0	0	1
ALBION COL	196	0	0	0	0	159	0	0	37
ALMA COL	144	0	0	0	0	126	0	0	18
ALPENA COMM COL**	127	0	0	0	0	127	0	0	0
ANDREWS UNIV	219	0	5	0	0	154	0	0	60
AQUINAS COL	408	0	0	0	0	408	0	0	0
BAY DE NOC COMM COL**	56	0	0	0	0	56	0	0	0
CALVIN COL	472	0	0	0	15	447	0	0	10
CENTRAL MICH UNIV	2,442	0	0	9	0	2,303	0	0	130
CONCORDIA LUTHERAN JR COL**	32	0	0	0	0	30	0	0	2
DAVENPORT COL OF BUSINESS**	286	0	0	0	0	286	0	0	0
DE LIMA JR COL**	11	0	0	0	0	11	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
MICHIGAN									
DELTA COL**	117	0	0	0	0	115	0	0	2
DETROIT INST OF TECH	12	0	0	0	0	12	0	0	0
EASTERN MICHIGAN UNIV	3,271	0	0	8	0	3,205	0	0	58
FERRIS ST COL	1,055	0	0	14	0	1,041	0	0	0
FLINT COMM JR COL**	164	0	0	0	0	164	0	0	0
GLEN OAKS COMM COL	792	0	0	0	0	792	0	0	0
GOGEBIC COMM COL**	18	0	0	0	0	18	0	0	0
GRAND RAPIDS BAPT COL	17	0	0	0	0	17	0	0	0
GRAND RAPIDS JR COL**	176	0	0	0	0	176	0	0	0
GRAND VALLEY STATE COL	1,034	0	0	9	0	1,018	0	0	7
HENRY FORD COMM COL**	144	0	0	0	0	144	0	0	0
HIGHLAND PARK COMM COL**	78	0	0	0	0	78	0	0	0
HOPE COL	1,799	0	0	0	0	1,678	0	0	121
JACKSON COMM COL**	797	0	0	0	0	797	0	0	0
KALAMAZOO COL	990	0	0	0	136	778	0	0	76
KELLOGG COMM COL**	34	0	0	0	0	34	0	0	0
LAKE MICHIGAN COL**	78	0	0	0	0	78	0	0	0
LANSING COMM COL**	571	0	0	0	0	571	0	0	0
LAWRENCE INST OF TECH	66	0	0	0	0	66	0	0	0
LEWIS BUSINESS COL	14	0	0	0	0	14	0	0	0
MACKINAC COL	699	0	0	0	0	699	0	0	0
MACOMB COUNTY COMM COL**	169	0	0	0	0	169	0	0	0
MADONNA COL	84	0	0	0	0	84	0	0	0
MARYGROVE COL	265	0	0	0	0	232	0	0	33
MERCY COL OF DETROIT	143	0	0	0	0	143	0	0	0
MERRILL-PALMER INST	348	0	0	0	0	348	0	0	0
MICH TECHNOLOGICAL UNIV	706	0	92	11	39	260	0	38	266
MICHIGAN CHRISTIAN JR COL**	66	0	0	0	0	66	0	0	0
MICHIGAN LUTHERAN COL	29	0	0	0	0	29	0	0	0
MICHIGAN STATE UNIV	24,358	4,368	2,352	27	764	12,688	273	185	3,701
MONROE COUNTY COMM COL**	786	0	0	0	0	786	0	0	0
MONTCALM COUNTY COMM COL**	5	0	0	0	0	5	0	0	0
MUSKEGON COUNTY COMM COL**	67	0	0	0	0	67	0	0	0
NAZARETH COL	57	0	0	0	0	54	0	0	3
NORTH CENTRAL MICH COL**	9	0	0	0	0	7	0	0	2
NORTHERN MICHIGAN UNIV	1,466	0	0	14	13	1,293	0	0	146
NORTHWESTERN MICH COL**	49	0	0	0	0	49	0	0	0
OAKLAND COMM COL**	1,580	0	0	0	0	1,580	0	0	0
OAKLAND UNIV	1,489	0	30	0	0	1,284	0	0	175
OLIVET COL	111	0	0	0	0	111	0	0	0
OWOSSO COL	40	0	0	0	0	40	0	0	0
PORT HURON JR COL**	54	0	0	0	0	54	0	0	0
REFORMED BIBLE INST**	1	0	0	0	0	1	0	0	0
SACRED HEART SEM	20	0	0	0	0	20	0	0	0
SAGINAW VALLEY COL	1,051	0	0	6	0	1,045	0	0	0
SCHOOLCRAFT COL**	176	0	0	0	0	176	0	0	0
SIENA HEIGHTS COL	10	0	0	0	0	10	0	0	0
SOUTHWESTERN MICH COL**	537	0	0	0	0	537	0	0	0
SPRING ARBOR COL	55	0	0	0	0	48	0	0	7
SUOMI COL**	75	0	0	0	0	75	0	0	0
UNIV OF DETROIT	1,198	0	0	7	153	864	0	20	154
UNIV OF MICHIGAN	64,758	1	2,797	202	13,111	35,183	867	3,896	8,701
WASHTENAW COMM COL**	178	0	0	104	0	74	0	0	0
WAYNE STATE UNIV	29,340	1	174	44	308	24,339	33	366	4,075
WESTERN MICH UNIV	5,170	0	0	22	83	4,582	6	0	477
MINNESOTA									
STATE TOTAL	62,781	3,984	2,397	86	2,504	43,604	344	3,203	6,659
ANOKA RAMSEY STATE JR COL**	202	0	0	0	0	202	0	0	0
AUGSBURG COL	151	0	0	0	0	140	0	0	11
AUSTIN JR COL**	57	0	0	0	0	57	0	0	0
BEMIDJI STATE COL	620	0	9	1	0	552	0	0	58
BETHANY LUTHERAN COL	79	0	0	0	0	79	0	0	0
BETHEL COL AND SEM	100	0	0	0	0	97	0	0	3
BRAINERD JR COL**	164	0	0	0	0	164	0	0	0
CARLETON COL	207	0	0	0	0	48	0	0	159
COL OF ST BENEDICT	101	0	0	0	0	99	0	0	2
COL OF ST CATHERINE	1,288	0	0	0	0	1,282	0	0	6
COL OF ST SCHOLASTICA	146	0	0	0	0	146	0	0	0
COL OF ST TERESA	254	0	0	0	0	219	0	0	35
COL OF ST THOMAS	1,153	0	0	0	0	1,098	0	0	55
CONCORDIA COL	54	0	0	0	0	54	0	0	0
CONCORDIA COL	537	0	0	0	0	526	0	11	0
CORBETT COL**	7	0	0	0	0	7	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
MINNESOTA									
CROSIER SEM**	2	0	0	0	0	2	0	0	0
ELY JR COL**	17	0	0	0	0	17	0	0	0
FERGUS FALLS STATE JR COL**	168	0	0	0	0	168	0	0	0
GUSTAVUS ADOLPHUS COL	478	0	0	0	0	455	0	0	23
HAMLINE UNIV	276	0	0	0	0	172	0	0	104
HIBBING JR COL**	198	0	0	0	0	198	0	0	0
ITASCA JR COL**	51	0	0	0	0	51	0	0	0
LEA COLLEGE	13	0	0	0	0	13	0	0	0
MACALESTER COL	328	0	0	0	0	220	0	0	108
MANKATO STATE COL	545	0	0	0	0	540	0	0	5
MESABI STATE JR COL**	177	0	0	0	0	177	0	0	0
METROPOLITAN ST JR COL**	14	0	0	0	0	14	0	0	0
MINNEAPOLIS SCH OF ART	25	0	0	0	0	25	0	0	0
MOORHEAD STATE COL	907	0	0	0	0	825	0	0	82
NORTH HENNEPIN ST JR COL**	13	0	0	0	0	13	0	0	0
ROCHESTER JR COL**	396	0	0	0	0	396	0	0	0
SOUTHWEST STATE COL	45	0	0	0	0	45	0	0	0
ST CLOUD STATE COL	2,300	0	0	0	0	2,223	0	0	77
ST JOHNS UNIV	232	0	0	0	0	230	0	0	2
ST MARYS COL**	510	0	44	0	0	212	16	0	238
ST MARYS JR COL	86	0	0	0	0	86	0	0	0
ST OLAF COL	240	0	4	0	0	145	0	0	91
UNIV OF MINNESOTA	49,459	3,984	2,340	85	2,504	31,438	321	3,192	5,595
WILLMAR COMM COL**	361	0	0	0	0	361	0	0	0
WINONA STATE COL	792	0	0	0	0	780	7	0	5
WORTHINGTON JR COL **	28	0	0	0	0	28	0	0	0
MISSISSIPPI									
STATE TOTAL	24,851	4,558	65	0	296	18,445	159	278	1,050
ALCORN AGR AND MECH COL	820	21	0	0	0	718	0	0	81
BELHAVEN COL	8	0	0	0	0	8	0	0	0
BLUE MOUNTAIN COL	5	0	0	0	0	5	0	0	0
COAHOMA JR COL**	172	0	0	0	0	172	0	0	0
COPIAH-LINCOLN JR COL**	283	0	0	0	0	283	0	0	0
DELTA STATE COL	737	0	0	0	0	737	0	0	0
EAST CENTRAL JR COL**	72	0	0	0	0	72	0	0	0
EAST MISS JR COL**	63	0	0	0	0	63	0	0	0
HINDS JR COL**	350	0	0	0	0	350	0	0	0
HOLMES JR COL **	235	0	0	0	0	235	0	0	0
ITAWAMBA JR COL**	169	0	0	0	0	169	0	0	0
JACKSON COUNTY JR COL**	5	0	0	0	0	5	0	0	0
JACKSON STATE COL	994	0	0	0	0	931	0	0	63
JEFFERSON DAVIS JR COL **	3	1	0	0	0	2	0	0	0
JONES COUNTY JR COL **	75	0	0	0	0	75	0	0	0
MARY HOLMES JR COL**	416	0	0	0	0	416	0	0	0
MERIDIAN JR COL**	50	0	0	0	0	50	0	0	0
MILLSAPS COL	1,016	0	0	0	0	983	0	0	33
MISS DELTA JR COL**	79	0	0	0	0	79	0	0	0
MISS ST COL FOR WOMEN	552	0	0	0	0	530	0	0	22
MISS VALLEY ST COL	406	0	0	0	0	406	0	0	0
MISSISSIPPI INDUS COL	63	0	0	0	0	63	0	0	0
MISSISSIPPI STATE UNIV	7,706	4,528	26	0	251	2,258	159	208	276
NORTHEAST MISS JR COL**	409	0	0	0	0	409	0	0	0
NORTHWEST MISS JR COL**	648	0	0	0	0	648	0	0	0
PEARL RIVER JR COL **	143	0	0	0	0	143	0	0	0
PERKINSTON JR COL**	62	0	0	0	0	62	0	0	0
PRENTISS NORM & IND INST **	191	0	0	0	0	191	0	0	0
RUST COL	247	0	0	0	0	247	0	0	0
SAINTS JR COL **	26	0	0	0	0	26	0	0	0
SOUTHWEST MISS JR COL**	15	0	0	0	0	15	0	0	0
T J HARRIS JR COL**	51	0	0	0	0	51	0	0	0
TOUGALOO COL	236	0	0	0	0	232	0	0	4
UNIV OF MISSISSIPPI	6,867	7	39	0	26	6,267	0	38	490
UNIV OF SOUTHERN MISS	1,431	1	0	0	19	1,298	0	32	81
UTICA JR COL**	41	0	0	0	0	41	0	0	0
WILLIAM CAREY COL	169	0	0	0	0	169	0	0	0
WOOD JR COL**	36	0	0	0	0	36	0	0	0
MISSOURI									
STATE TOTAL	71,453	4,113	626	169	2,598	57,209	276	1,085	5,377
AVILA COL	46	0	0	0	0	44	0	0	2

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
MISSOURI									
CENTRAL BIBLE INST	52	0	0	0	0	52	0	0	0
CENTRAL METHODIST COL	34	0	0	0	0	34	0	0	0
CENTRAL MO STATE COL	2,044	0	0	0	0	2,032	0	0	12
CHRISTIAN COL**	8	0	0	0	0	8	0	0	0
CONCORDIA SEMINARY	7	0	0	0	0	7	0	0	0
COTTEY COL**	24	0	0	0	0	24	0	0	0
CROWDER COL **	35	0	0	0	0	35	0	0	0
CULVER-STOCKTON COL	57	0	0	0	0	57	0	0	0
DRURY COL	109	0	0	1	0	108	0	0	0
EVANGEL COL	90	0	0	0	0	90	0	0	0
FONTBONNE COL	203	0	0	0	0	203	0	0	0
HANNIBAL-LAGRANGE COL**	32	0	0	0	0	32	0	0	0
HARRIS TCHRS COL	153	0	0	0	0	153	0	0	0
IMMACULATE CONCEPTION SEM	8	0	0	0	0	8	0	0	0
JEFFERSON COUNTY COL DIST**	389	0	0	0	0	389	0	0	0
JUNIOR COL DIST ST LOUIS**	2,630	0	0	0	0	2,630	0	0	0
KANSAS CITY ART INST	37	0	0	0	0	37	0	0	0
KANSAS CITY COL OF OSTEOP	428	0	0	0	0	428	0	0	0
KEMPER MILITARY SCH & COL**	6	0	0	0	0	6	0	0	0
KIRKSVILLE COL OF OSTEOP	781	0	0	0	0	781	0	0	0
LINCOLN UNIV	689	55	0	0	0	621	0	0	13
LINDENWOOD COL FOR WOMEN	653	0	0	0	0	653	0	0	0
MARYVILLE COL SAC HEART	78	0	0	0	0	78	0	0	0
MERCY JR COL**	8	0	0	0	0	8	0	0	0
METROPOLITAN JR COL**	83	0	0	0	0	81	0	0	2
MINERAL AREA JR COL DIST**	11	0	0	0	0	9	0	0	2
MISSOURI SOUTHERN COL**	576	0	0	0	0	576	0	0	0
MISSOURI VALLEY COL	89	0	0	0	0	89	0	0	0
MISSOURI WESTERN JR COL **	69	0	0	0	0	69	0	0	0
NORTHEAST MO ST TCHRS COL	344	0	0	0	0	268	0	0	76
NORTHWEST MO STATE COL	439	0	0	0	0	435	0	0	4
NOTRE DAME COL	7	0	0	0	0	5	0	0	2
PARK COL	28	0	0	0	0	28	0	0	0
ROCKHURST COL	389	0	0	0	0	342	0	0	47
SCHOOL OF THE OZARKS	561	0	0	0	0	561	0	0	0
SOUTHEAST MO STATE COL	422	0	0	1	0	353	0	0	68
SOUTHWEST BAPTIST COL**	89	0	0	0	0	89	0	0	0
SOUTHWEST MO STATE COL	859	0	0	0	0	824	19	0	16
ST LOUIS COL OF PHARMACY	48	0	0	0	0	44	0	0	4
ST LOUIS UNIV	7,482	0	0	59	440	6,441	0	133	409
ST MARYS COL OF OFALLON	488	0	0	0	0	488	0	0	0
ST PAULS COL**	117	0	0	0	0	117	0	0	0
STEPHENS COL	408	0	0	0	0	358	0	0	50
TARKIO COL	500	0	0	0	0	499	0	0	1
THREE RIVERS JR COL	13	0	0	0	0	13	0	0	0
TRENTON JR COL**	5	0	0	0	0	5	0	0	0
UNIV OF MISSOURI COLUMBIA	18,979	4,058	244	6	406	12,253	237	392	1,383
UNIV OF MISSOURI CTRL S*	520	0	0	0	14	506	0	0	0
UNIV OF MISSOURI ROLLA	1,982	0	0	79	253	1,107	15	0	528
UNIV OF MISSOURI ST LOUIS	597	0	0	0	0	589	0	0	8
UNIV OF MO KANSAS CITY	1,633	0	0	0	0	1,433	0	0	200
WASHINGTON UNIV	25,415	0	382	23	1,485	20,846	5	560	2,114
WEBSTER COL	518	0	0	0	0	96	0	0	422
WESTMINSTER COL	65	0	0	0	0	54	0	0	11
WILLIAM JEWELL COL	58	0	0	0	0	55	0	0	3
WILLIAM WOODS COL	58	0	0	0	0	58	0	0	0
MONTANA									
STATE TOTAL	10,208	1,457	51	93	247	6,488	341	125	1,406
CARROLL COL	326	0	0	0	0	326	0	0	0
COL OF GREAT FALLS	105	0	0	0	0	105	0	0	0
CUSTER COUNTY JR COL**	13	0	0	0	0	13	0	0	0
DAWSON COUNTY JR COL**	29	0	0	0	0	29	0	0	0
EASTERN MONTANA COL	1,542	0	0	0	0	1,542	0	0	0
MONTANA COL MINERAL SCI	131	0	0	21	0	90	0	0	20
MONTANA STATE UNIV	4,539	1,443	35	17	247	1,677	179	85	856
NORTHERN MONTANA COL	389	0	0	0	0	389	0	0	0
ROCKY MOUNTAIN COL	542	0	0	0	0	542	0	0	0
UNIV OF MONTANA	2,493	14	16	55	0	1,676	162	40	530
WESTERN MONTANA COL	99	0	0	0	0	99	0	0	0
NEBRASKA									
STATE TOTAL	19,339	2,471	143	73	80	14,519	88	70	1,895

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
NEBRASKA									
CHADRON STATE COL	306	0	0	0	0	255	0	0	51
COL OF ST MARY	46	0	0	0	0	44	0	0	2
CONCORDIA TCHRS COL	123	0	0	0	0	123	0	0	0
CREIGHTON UNIV	1,762	0	7	0	26	1,556	0	0	173
DANA COL	318	0	0	0	0	318	0	0	0
DOANE COL	577	0	0	0	0	572	0	0	5
DUCHESNE COL SACRED HEART	79	0	0	0	0	79	0	0	0
FAIRBURY JR COL**	23	0	0	0	0	23	0	0	0
HASTINGS COL	220	0	0	0	0	215	0	0	5
JOHN F KENNEDY COL	7	0	0	0	0	7	0	0	0
KEARNEY STATE COL	302	0	0	0	0	302	0	0	0
MCCOOK JR COL**	11	0	0	0	0	11	0	0	0
MIDLAND LUTHERAN COL	386	0	0	0	0	386	0	0	0
MUNICIPAL UNIV OF OMAHA	1,035	0	0	6	22	976	0	0	31
NEBR BRD EDUC ST NRML COL	8	0	0	0	0	0	0	0	8
NEBRASKA WESLEYAN UNIV	631	0	0	0	0	528	0	0	103
NORTH PLATTE JR COL**	30	0	0	0	0	30	0	0	0
PERSHING COL	28	0	0	0	0	28	0	0	0
PERU STATE COL	87	0	0	0	0	87	0	0	0
SCOTTSBLUFF COL**	884	0	0	0	0	884	0	0	0
UNION COL	92	0	0	0	0	92	0	0	0
UNIV OF NEBRASKA	12,053	2,471	136	67	32	7,674	88	70	1,515
WAYNE STATE COL	183	0	0	0	0	181	0	0	2
YORK COL**	148	0	0	0	0	148	0	0	0
NEVADA									
STATE TOTAL	4,914	721	139	56	39	2,555	785	168	451
UNIV OF NEVADA	4,914	721	139	56	39	2,555	785	168	451
NEW HAMPSHIRE									
STATE TOTAL	10,672	882	82	0	501	6,297	134	1,199	1,577
BELKNAP COL	19	0	0	0	0	19	0	0	0
COLBY JR COL	20	0	0	0	0	20	0	0	0
DARTMOUTH COL	3,971	0	33	0	145	2,588	0	357	848
FRANCONIA COL**	89	0	0	0	0	89	0	0	0
FRANKLIN PIERCE COL	430	0	0	0	0	430	0	0	0
GUNSTOCK JR COL	2	0	0	0	0	2	0	0	0
MT ST MARY COL	307	0	0	0	0	307	0	0	0
NATHANIEL HAWTHORNE COL	78	0	0	0	0	78	0	0	0
NEW ENGLAND COL	83	0	0	0	0	83	0	0	0
NEW HAMPSHIRE TECH INST**	13	0	0	0	0	13	0	0	0
NOTRE DAME COL	28	0	0	0	0	28	0	0	0
RIVIER COLLEGE	120	0	0	0	0	120	0	0	0
ST ANSELM'S COL	224	0	0	0	0	218	0	0	6
UNIV OF NEW HAMPSHIRE	5,288	882	49	0	356	2,302	134	842	723
NEW JERSEY									
STATE TOTAL	64,506	1,504	1,911	91	6,371	37,865	418	5,682	10,664
ALPHONSUS COL	13	0	0	0	0	13	0	0	0
ARCHANGEL COL**	3	0	0	0	0	3	0	0	0
ASSUMPTION COL SISTERS**	5	0	0	0	0	5	0	0	0
ATLANTIC COMM COL**	62	0	0	0	0	62	0	0	0
BETH MEDRASH GEVOHA AMER	86	0	0	0	0	86	0	0	0
BLOOMFIELD COL	492	0	0	0	0	492	0	0	0
CALDWELL COL FOR WOMEN	531	0	0	0	0	531	0	0	0
CAMDEN CO COL	11	0	0	0	0	11	0	0	0
CENTENARY COL FOR WOMEN	43	0	0	0	0	43	0	0	0
COL OF ST ELIZABETH	56	0	0	0	0	56	0	0	0
CUMBERLAND COUNTY COL**	503	0	0	0	0	503	0	0	0
DREW UNIV	572	0	0	0	0	297	0	0	275
FAIRLEIGH DICKINSON UNIV	5,400	1	0	0	45	5,286	0	0	68
GEORGIAN COURT COL	56	0	0	0	0	56	0	0	0
GLASSBORO STATE COL	184	0	0	0	0	182	0	0	2
IMMAC CONCEPTION JR COL**	4	0	0	0	0	4	0	0	0
INST FOR ADVANCED STUDY	14	0	0	0	14	0	0	0	0
JERSEY CITY STATE COL	528	0	0	0	0	528	0	0	0
MERCER COUNTY COMM COL**	2,151	0	0	0	0	2,151	0	0	0
MIDDLESEX COUNTY COL**	166	0	0	0	0	166	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
NEW JERSEY									
MONMOUTH COL	263	0	0	0	0	252	0	0	11
MONTCLAIR STATE COL	791	0	0	0	0	702	0	0	89
MT ST MARY COL	9	0	0	0	0	9	0	0	0
N J COL OF MED AND DENT	2,390	0	19	0	10	2,262	0	60	39
NEW BRUNSWICK THEOL SEM	1	1	0	0	0	0	0	0	0
NEWARK COL OF ENG	258	0	0	0	0	88	12	21	137
NEWARK STATE COL	1,304	0	0	0	8	1,296	0	0	0
NORTHEASTERN COL BIBLE IN	17	0	0	0	0	17	0	0	0
OCEAN COUNTY COL**	64	0	0	0	0	64	0	0	0
PATERSON STATE COL	76	0	3	0	0	73	0	0	0
PRINCETON THEOL SEM	67	0	0	0	0	64	0	0	3
PRINCETON UNIV	21,920	0	1,485	0	5,007	4,149	0	4,833	6,446
RIDER COL	174	0	0	0	0	166	0	0	8
RUTGERS STATE UNIV	19,001	1,502	182	3	630	12,697	406	597	2,984
SETON HALL UNIV	1,071	0	0	0	18	961	0	0	92
ST PETERS COL	1,196	0	0	0	0	1,176	0	0	20
STEVENS INST OF TECH	1,980	0	222	88	639	372	0	171	488
TOMBROCK COL**	5	0	0	0	0	5	0	0	0
TRENTON JR COL **	22	0	0	0	0	20	0	0	2
TRENTON STATE COL	2,581	0	0	0	0	2,581	0	0	0
UNION JR COL**	20	0	0	0	0	20	0	0	0
UPSALA COL	71	0	0	0	0	71	0	0	0
WESTMINSTER CHOIR COL	345	0	0	0	0	345	0	0	0
NEW MEXICO									
STATE TOTAL	19,355	1,208	130	76	2,264	9,835	374	2,608	2,860
COL OF SANTA FE	465	0	0	0	0	465	0	0	0
EASTERN NEW MEXICO UNIV	570	0	0	0	0	361	26	0	183
NEW MEX INST MINING & TEC	1,344	0	1	0	598	68	0	0	677
NEW MEXICO HIGHLANDS UNIV	725	0	0	0	0	643	0	0	82
NEW MEXICO JR COL**	222	0	0	0	0	222	0	0	0
NEW MEXICO STATE UNIV	7,293	580	30	8	401	3,498	348	1,911	517
ROSWELL COMM COL	5	0	0	0	0	5	0	0	0
UNIV OF ALBUQUERQUE	223	0	0	0	0	177	0	0	46
UNIV OF NEW MEXICO	8,372	628	99	68	1,265	4,298	0	697	1,317
WESTERN NEW MEXICO UNIV	136	0	0	0	0	98	0	0	38
NEW YORK									
STATE TOTAL	339,734	4,497	19,819	631	31,163	231,881	1,809	6,406	43,528
ADELPHI UNIV	2,482	0	0	0	20	1,740	0	133	589
ADIRONDACK COMM COL**	40	0	0	0	0	40	0	0	0
AGR & TECH COL ALFRED **	321	0	0	11	0	310	0	0	0
AGR & TECH COL CANTON **	163	0	0	0	0	163	0	0	0
AGR & TECH COL COBLE SKLL**	126	0	0	0	0	126	0	0	0
AGR & TECH COL DELHI**	236	0	0	0	0	236	0	0	0
AGR & TECH COL FARMINGDLE**	189	0	0	0	0	189	0	0	0
AGR & TECH COL MORRISVLLE**	77	0	0	0	0	77	0	0	0
ALBANY COL OF PHARMACY	10	0	0	0	0	10	0	0	0
ALBANY MEDICAL COL	4,444	0	16	0	23	4,405	0	0	0
ALFRED UNIV	209	0	0	0	3	122	0	18	66
AUBURN COMM COL**	28	0	0	0	0	28	0	0	0
BANK STREET COL OF ED	1,450	0	0	0	0	1,450	0	0	0
BARD COL	47	0	0	0	0	47	0	0	0
BARNARD COL	157	0	0	0	0	157	0	0	0
BENNETT COL**	35	0	0	0	0	35	0	0	0
BRENTWOOD COL	5	0	0	0	0	5	0	0	0
BRIARCLIFF COL	5	0	0	0	0	5	0	0	0
BROOKLYN LAW SCHOOL	27	0	0	0	0	27	0	0	0
BROOME TECH COMM COL**	81	0	0	0	0	81	0	0	0
CANISIUS COL	1,165	0	0	0	0	1,143	0	0	22
CAZENOVIA COL **	51	0	0	0	0	51	0	0	0
CLARKSON COL OF TECH	1,172	0	56	0	85	492	71	60	408
COL AT BROCKPORT	588	0	0	0	0	550	38	0	0
COL AT BUFFALO	3,136	0	0	0	0	3,102	0	0	34
COL AT CORTLAND	244	0	0	0	0	244	0	0	0
COL AT FREDONIA	1,686	0	1	0	0	1,651	0	0	34
COL AT GENESEO	446	0	0	0	0	431	0	0	15
COL AT NEW PALTZ	1,261	0	0	0	0	1,261	0	0	0
COL AT ONEONTA	450	0	0	0	0	386	0	0	64
COL AT OSWEGO	1,903	0	0	0	0	1,857	0	0	46
COL AT PLATTSBURGH	1,593	0	18	0	0	1,564	0	0	11

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
NEW YORK									
COL AT POTSDAM	2,080	0	0	0	0	2,014	0	0	66
COL CNTR OF FINGER LAKES	60	0	0	0	0	50	0	0	10
COL OF FORESTRY SYRACUSE	1,433	0	0	9	0	1,335	89	0	0
COL OF INSURANCE	12	0	0	0	0	12	0	0	0
COL OF MT ST VINCENT	713	0	0	0	0	713	0	0	0
COL OF NEW ROCHELLE	363	0	0	0	0	363	0	0	0
COL OF PHARMACEUTICAL SCI	107	0	0	0	0	107	0	0	0
COL OF ST ROSE	80	0	0	0	0	73	0	0	7
COLGATE UNIV	331	0	0	0	0	175	0	0	156
COLUMBIA UNIV†	55,908	0	4,843	45	11,455	27,650	49	1,192	10,674
CONCORDIA JR COL**	98	0	0	0	0	98	0	0	0
COOPER UNION	74	0	0	24	0	42	0	0	8
CORNELL UNIV	39,468	4,057	1,675	137	6,935	17,464	475	942	7,783
CORNING COMM COL**	102	0	0	0	0	102	0	0	0
CUNY BOR OF MANH COMM COL**	334	0	0	0	0	334	0	0	0
CUNY BRONX COMM COL**	651	0	0	0	250	394	0	0	7
CUNY BROOKLYN COL	3,827	0	60	0	273	3,140	0	0	354
CUNY CENTRAL SYSTEM*	2,163	0	0	0	185	1,554	0	167	257
CUNY CITY COL	2,119	0	22	10	51	1,616	23	0	397
CUNY HUNTER COL	2,847	0	30	0	0	2,671	0	0	146
CUNY J J COL OF CRIM JUST	4	0	0	0	0	4	0	0	0
CUNY KINGSBORO COMM COL**	296	0	0	0	0	296	0	0	0
CUNY N Y CITY COMM COL**	208	0	0	0	0	208	0	0	0
CUNY QUEENS COL	756	1	27	0	0	670	0	0	58
CUNY QUEENSBORO COMM COL **	274	0	0	0	0	274	0	0	0
CUNY RICHMOND COL	28	0	0	0	0	28	0	0	0
CUNY STATEN IS COMM COL **	81	0	0	0	0	81	0	0	0
D'YOUVILLE COL	141	0	0	0	0	141	0	0	0
DOMINICAN COL OF BLAUVELT	24	0	0	0	0	24	0	0	0
DOWNSTATE MEDICAL CTR	6,348	0	0	0	0	6,302	0	0	46
DUTCHESS COMM COL**	38	0	0	0	0	38	0	0	0
ELIZABETH SETON COL **	5	0	0	0	0	5	0	0	0
ELMIRA COL	1,124	0	0	0	0	1,116	0	0	8
EPIPHANY APOSTOLIC COL**	1	0	0	0	0	1	0	0	0
ERIE COUNTY TECH INST**	1,947	0	0	0	0	1,944	0	0	3
FASHION INST OF TECH**	70	0	0	0	0	70	0	0	0
FINCH COL	5	0	0	0	0	5	0	0	0
FORDHAM UNIV	2,863	0	50	0	0	2,246	0	61	506
FULTON-MONTGOMRY COMM COL**	1,380	0	0	0	0	1,380	0	0	0
GOOD COUNSEL COL	30	0	0	0	0	30	0	0	0
HAMILTON COL	94	0	0	0	0	34	0	0	60
HARTWICK COL	398	0	0	0	0	398	0	0	0
HOBART AND WM SMITH COL	41	0	0	0	0	39	0	0	2
HOFSTRA UNIV	2,446	0	9	0	0	2,427	0	0	10
HOUGHTON COL	403	0	0	0	0	401	0	0	2
HUDSON VALLEY COMM COL**	65	0	2	0	0	63	0	0	0
IMMACULATA COL**	603	0	0	0	0	603	0	0	0
IONA COL	128	0	0	0	0	116	0	0	12
ITHACA COL	337	0	0	0	0	310	0	0	27
JAMESTOWN COMM COL**	1,438	0	0	0	0	1,438	0	0	0
JEFFERSON COMM COL**	68	0	0	0	0	68	0	0	0
JEWISH THEOL SEM OF AMER	38	0	0	0	0	38	0	0	0
JUILLIARD SCHOOL OF MUSIC	115	0	0	0	0	115	0	0	0
KEUKA COL	82	0	0	0	0	77	0	0	5
KINGS COL	57	0	0	0	0	57	0	0	0
KIRKLAND COLLEGE	500	0	0	0	0	500	0	0	0
LADYCLIFF COL	198	0	0	0	0	198	0	0	0
LEMOYNE COL	936	0	0	0	0	936	0	0	0
LEWI COL OF PODIATRY	119	0	0	0	0	119	0	0	0
LONG ISLAND UNIV	857	0	8	0	24	755	0	55	15
MANHATTAN COL	1,163	0	0	0	0	914	124	0	125
MANHATTAN SCH OF MUSIC	35	0	0	0	0	35	0	0	0
MANHATTANVILLE COL SAC HT	143	0	0	0	0	143	0	0	0
MANNES COL OF MUSIC	15	0	0	0	0	15	0	0	0
MARIA COL OF ALBANY **	5	0	0	0	0	5	0	0	0
MARIA REGINA COL **	19	0	0	0	0	19	0	0	0
MARIST COL	168	0	0	0	0	168	0	0	0
MARITIME COL	25	0	0	0	0	25	0	0	0
MARYMOUNT COL	172	0	0	0	0	172	0	0	0
MARYMOUNT MANHATTAN COL	1,053	0	0	0	0	1,053	0	0	0
MATER DEI COL**	21	0	0	0	0	21	0	0	0
MERCY COL	119	0	0	0	0	119	0	0	0
MILLS COL OF EDUCATION	32	0	0	0	0	32	0	0	0
MOHAWK VALLEY COMM COL **	1,511	0	0	0	0	1,506	0	0	5
MOLLOY CATHOLIC COL WOMEN	5	0	0	0	0	5	0	0	0
MONROE COMM COL**	42	0	0	0	0	42	0	0	0
MT ST JOSEPH COL	6	0	0	0	0	6	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
NEW YORK									
MT ST MARY COL	57	0	0	0	0	57	0	0	0
NASSAU COMM COL **	193	0	0	0	0	193	0	0	0
NAZARETH COL OF ROCHESTER	80	0	0	0	0	78	0	0	2
NEW SCHOOL FOR SOCIAL RES	924	0	0	0	0	858	0	0	66
NEW YORK COL OF MUSIC	156	0	0	0	0	156	0	0	0
NEW YORK INST OF TECH	125	0	0	0	0	125	0	0	0
NEW YORK LAW SCHOOL	5	0	0	0	0	5	0	0	0
NEW YORK MEDICAL COL	6,275	0	0	0	152	6,003	0	7	113
NEW YORK UNIV	44,449	96	5,613	122	2,876	30,211	88	903	4,540
NIAGARA COUNTY COMM COL**	76	0	0	0	0	76	0	0	0
NIAGARA UNIV	107	0	0	0	0	107	0	0	0
NOTRE DAME COL	389	0	0	0	0	386	0	0	3
ONONDAGA COMM COL**	41	0	0	0	0	41	0	0	0
ORANGE COUNTY COMM COL**	112	0	0	0	0	112	0	0	0
PACE COL	172	0	0	0	0	138	0	0	34
PARSONS SCHOOL OF DESIGN **	5	0	0	0	0	5	0	0	0
PAUL SMITHS COL ARTS SCI **	32	0	0	0	0	32	0	0	0
POLYTECHNIC INST OF BKLYN	6,439	1	71	19	2,284	2,562	95	270	1,137
PRATT INST	293	0	0	10	0	232	0	0	51
QUEEN OF THE APOSTLES COL **	5	0	0	0	0	5	0	0	0
RABBI JOSEPH RABBINCL COL	45	0	0	0	0	45	0	0	0
RABBINICAL SEM OF AMERICA	16	0	0	0	0	16	0	0	0
RABBINICL ACAD M R BERLIN	39	0	0	0	0	39	0	0	0
RABBINICL COL CHSAN SOFER	40	0	0	0	0	40	0	0	0
RCA INST **	13	0	0	0	0	13	0	0	0
RENSSELAER POLYTECH INST	8,261	0	1,166	105	636	3,426	57	1,073	1,798
ROBERTS WESLEYAN COL	399	0	0	0	0	399	0	0	0
ROCHESTER INST OF TECH	119	0	0	23	0	81	0	0	15
ROCKEFELLER UNIV	5,739	0	47	0	77	4,761	0	0	854
ROCKLAND COMM COL**	24	0	0	0	0	24	0	0	0
ROSARY HILL COL	73	0	0	0	0	71	0	0	2
RUSSELL SAGE COL	151	0	0	0	0	149	0	0	2
SANCTA MARIA JR COL **	11	0	0	0	0	11	0	0	0
SARAH LAWRENCE COL	156	0	0	0	0	153	0	0	3
SKIDMORE COL	55	0	0	0	0	53	0	0	2
ST BERNARDINE SIENA COL	131	0	0	0	0	131	0	0	0
ST BONAVENTURE UNIV	127	0	0	0	0	108	0	0	19
ST CLARE COL **	5	0	0	0	0	5	0	0	0
ST FRANCIS COL	128	0	0	0	0	128	0	0	0
ST JOHN FISHER COL	322	0	0	0	0	320	0	0	2
ST JOHNS UNIV	464	0	0	0	0	385	0	0	79
ST JOSEPHS COL FOR WOMEN	6	0	0	0	0	6	0	0	0
ST LAWRENCE UNIV	293	0	0	0	0	246	0	0	47
ST THOMAS AQUINAS COL	26	0	0	0	0	26	0	0	0
ST VLADIMIRS THEOL SEM	8	0	0	0	0	8	0	0	0
STATE UNIV AT ALBANY	3,541	0	13	10	111	2,956	0	41	410
STATE UNIV AT BINGHAMTON	2,072	0	0	10	0	1,800	0	0	262
STATE UNIV AT BUFFALO	12,127	0	116	23	160	9,758	0	207	1,863
STATE UNIV AT STONY BROOK	3,541	0	400	20	54	1,642	0	448	977
SUFFOLK COUNTY COMM COL**	1,063	1	0	0	0	1,062	0	0	0
SULLIVAN COUNTY COMM COL**	32	0	0	0	0	32	0	0	0
SUNY CENTRAL SYSTEM*	2,191	341	0	0	1,043	628	179	0	0
SYRACUSE UNIV	13,940	0	307	40	2,726	7,780	446	218	2,423
TEACHERS COL	5,518	0	0	0	0	5,518	0	0	0
ULSTER COUNTY COMM COL **	96	0	0	0	0	96	0	0	0
UNION COL	1,876	0	0	0	0	1,610	0	0	266
UNION COL & UNIV CTRL S*	45	0	0	0	0	45	0	0	0
UNIV OF ROCHESTER	22,977	0	5,159	13	1,388	12,709	0	401	3,307
UPSTATE MEDICAL CTR	3,762	0	0	0	31	3,690	0	0	41
VASSAR COL	166	0	8	0	0	97	0	0	61
VILLA MARIA COL BUFFALO **	16	0	0	0	0	16	0	0	0
VOORHEES TECH INST**	5	0	0	0	0	5	0	0	0
WADHAMS HALL **	5	0	0	0	0	5	0	0	0
WAGNER COL	186	0	0	0	0	186	0	0	0
WEBB INST OF NAVAL ARCH	53	0	0	0	48	0	0	0	5
WELLS COL	193	0	0	0	0	84	0	0	109
WESTCHESTER COMM COL **	29	0	0	0	0	29	0	0	0
WINDHAM HOUSE	153	0	102	0	51	0	0	0	0
YESHIVA UNIV	23,884	0	0	0	222	20,380	75	210	2,997
NORTH CAROLINA									
STATE TOTAL	106,493	6,269	2,322	111	4,044	77,072	629	948	15,098
A & T STATE UNIV OF N C	756	24	0	0	0	533	0	0	199
APPALACHIAN STATE UNIV	1,782	0	0	0	0	1,768	0	0	14

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DCD	HEW	INTER	NASA	NSF
NORTH CAROLINA									
ASHEVILLE-BILTMORE COL	32	0	0	0	0	27	0	0	5
ATLANTIC CHRISTIAN COL	84	0	0	0	0	84	0	0	0
BARBER-SCOTIA COL	296	0	0	0	0	296	0	0	0
BELMONT ABBEY COL	334	0	0	0	0	334	0	0	0
BENNETT COL	241	0	0	0	0	219	0	0	22
BREVARD COL**	208	0	0	0	0	208	0	0	0
CAMPBELL COL	221	0	0	0	0	221	0	0	0
CATAWBA COL	32	0	0	0	0	27	0	0	5
CENTRAL PIEDMONT COMM COL**	1,685	0	0	0	0	1,685	0	0	0
CHOWAN COL**	11	0	0	0	0	11	0	0	0
COL OF THE ALBEMARLE**	30	0	0	0	0	30	0	0	0
DAVIDSON COL	78	0	0	0	0	78	0	0	0
DAVIDSON COUNTY COMM COL**	54	0	0	0	0	54	0	0	0
DUKE UNIV	30,591	8	1,617	0	2,615	19,637	144	353	6,217
EAST CAROLINA COL	904	0	3	0	0	734	0	0	167
ELIZABETH CITY STATE COL	394	0	0	0	0	394	0	0	0
ELON COL	523	0	0	0	0	523	0	0	0
FAYETTEVILLE ST COL	301	0	0	0	0	299	0	0	2
FAYETTEVILLE TECH INST	3	0	0	0	0	3	0	0	0
GREENSBORO COL	16	0	0	0	0	16	0	0	0
GUILFORD COL	148	0	0	0	0	148	0	0	0
HIGH POINT COL	149	0	0	0	0	149	0	0	0
ISOTHERMAL COMM COL**	121	0	0	0	0	121	0	0	0
JOHNSON C SMITH UNIV	395	0	0	0	0	395	0	0	0
KITTRELL COL**	137	0	0	0	0	137	0	0	0
LEES-MCRAE COL**	90	0	0	0	0	90	0	0	0
LENOIR COUNTY COMM COL**	16	0	0	0	0	16	0	0	0
LENOIR-RHYNE COL	183	0	0	0	0	183	0	0	0
LIVINGSTONE COL	230	0	0	0	0	228	0	0	2
LOUISBURG COL**	15	0	0	0	0	13	0	0	2
MARS HILL COL	30	0	0	0	0	22	0	0	8
MEREDITH COL	46	0	0	0	0	46	0	0	0
METHODIST COL	171	0	0	0	0	171	0	0	0
MITCHELL COL**	5	0	0	0	0	5	0	0	0
MONTREAT-ANDERSON COL**	1,020	0	0	0	0	1,020	0	0	0
MT OLIVE JR COL**	168	0	0	0	0	168	0	0	0
N C COL DURHAM	1,077	0	0	0	10	974	0	0	93
N C SCHOOL OF ARTS	18	0	0	0	0	18	0	0	0
N C STATE UNIV AT RALEIGH	13,543	6,237	360	104	138	4,762	170	455	1,317
N C WESLEYAN COL	54	0	0	0	0	54	0	0	0
PEMBROKE STATE COL	82	0	0	0	0	82	0	0	0
PFEIFFER COL	412	0	0	0	0	412	0	0	0
PITT TECHNICAL INSTITUTE **	5	0	0	0	0	5	0	0	0
QUEENS COL	172	0	0	0	0	167	0	0	5
ROCKINGHAM COMM COL**	622	0	0	0	0	622	0	0	0
SACRED HEART JR COL**	49	0	0	0	0	49	0	0	0
SALEM COL	6	0	0	0	0	6	0	0	0
SANDHILLS COMM COL**	421	0	0	0	0	421	0	0	0
SHAW UNIV	557	0	0	0	0	557	0	0	0
SOUTHEASTERN COMM COL**	120	0	0	0	0	120	0	0	0
SOUTHERN PILGRIM COL	8	0	0	0	0	8	0	0	0
ST ANDREWS PRESBY COL	311	0	0	0	0	181	0	0	130
ST AUGUSTINES COL	599	0	22	0	0	499	0	0	78
ST MARYS JR COL**	2	0	0	0	0	0	0	0	2
SURRY COMM COL**	332	0	0	0	0	332	0	0	0
UNIV OF N C AT CHARLOTTE	120	0	0	0	0	105	0	0	15
UNIV OF N C AT GREENSBORO	1,106	0	0	0	0	838	0	0	268
UNIV OF N C CENTRAL SYS*	450	0	0	0	433	17	0	0	0
UNIV OF N C CHAPEL HILL	28,400	0	282	7	794	20,565	315	140	6,297
WAKE FOREST UNIV	14,515	0	38	0	54	14,183	0	0	240
WARREN WILSON COL**	241	0	0	0	0	241	0	0	0
WESTERN CAROLINA COL	827	0	0	0	0	827	0	0	0
WESTERN PIEDMONT COMM COL**	377	0	0	0	0	377	0	0	0
WILKES COMM COL**	346	0	0	0	0	346	0	0	0
WILMINGTON COL	33	0	0	0	0	23	0	0	10
WINGATE COL**	15	0	0	0	0	15	0	0	0
WINSTON SALEM STATE COL	173	0	0	0	0	173	0	0	0
NORTH DAKOTA									
STATE TOTAL	8,241	1,773	47	0	25	5,149	133	99	1,015
ASSUMPTION COL**	5	0	0	0	0	5	0	0	0
BISMARCK JR COL**	63	0	0	0	0	63	0	0	0
DICKINSON STATE COL	121	0	0	0	0	120	0	0	1
JAMESTOWN COL	72	0	0	0	0	72	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
NORTH DAKOTA									
LAKE REGION JR COL**	37	0	0	0	0	37	0	0	0
MARY COL	187	0	0	0	0	187	0	0	0
MAYVILLE STATE COL	226	0	0	0	0	226	0	0	0
MINOT ST COL	251	0	0	0	0	239	0	0	12
NORTH DAKOTA SCH FORESTRY **	14	0	0	0	0	14	0	0	0
NORTH DAKOTA ST SCH SCIEN **	107	0	0	0	0	107	0	0	0
NORTH DAKOTA STATE UNIV	3,855	1,772	0	0	0	1,509	133	35	406
UNIV OF NORTH DAKOTA	3,217	1	47	0	25	2,484	0	64	596
VALLEY CITY STATE COL	86	0	0	0	0	86	0	0	0
OHIO									
STATE TOTAL	112,098	4,785	2,552	134	9,245	83,857	977	2,200	8,348
ANTIOCH COL	800	0	0	0	266	372	0	0	162
ASHLAND COL	858	0	6	0	0	852	0	0	0
BALDWIN-WALLACE COL	162	0	0	0	0	120	0	0	42
BLUFFTON COL	79	0	0	0	0	76	0	0	3
BOWLING GREEN STATE UNIV	2,632	0	18	0	0	2,313	0	108	193
CAPITAL UNIV	373	0	0	0	0	332	0	0	41
CASE INST OF TECH	6,415	0	1,099	2	699	1,940	278	899	1,498
CENTRAL STATE UNIV	937	0	0	0	0	728	0	0	209
CLEVELAND INST OF MUSIC	5	0	0	0	0	5	0	0	0
CLEVELAND STATE UNIV	1,085	0	0	16	0	1,055	0	0	14
COL MT ST JOSEPH-ON-OHIO	54	0	0	0	0	54	0	0	0
COL OF STEUBENVILLE	85	0	0	0	0	73	0	0	12
COL OF WOOSTER	97	0	0	0	0	50	0	0	47
COL ST MARY OF SPRINGS	81	0	0	0	0	81	0	0	0
COLUMBUS COL ART & DESIGN	37	0	0	0	0	37	0	0	0
CUYAHOGA COMM COL**	191	0	0	0	0	189	0	0	2
DEFIANCE COL	96	0	0	0	0	92	0	0	4
DENISON UNIV	122	0	0	0	0	68	0	0	54
DYKE COL	6	0	0	0	0	6	0	0	0
FINDLAY COL	403	0	0	0	0	403	0	0	0
FRANKLIN UNIV	1	1	0	0	0	0	0	0	0
HEIDELBERG COL	75	0	0	0	0	69	0	0	6
HIRAM COL	77	0	0	0	0	75	0	0	2
JOHN CARROLL UNIV	337	0	0	0	35	140	0	51	111
KENT STATE UNIV	6,049	0	16	21	110	5,516	0	62	324
KENYON COL	54	0	0	0	0	21	10	0	23
LAKE ERIE COL	10	0	0	0	0	8	0	0	2
LORAIN COUNTY COMM COL**	119	0	0	0	0	119	0	0	0
MALONE COL	21	0	0	0	0	21	0	0	0
MARIETTA COL	136	0	0	0	0	134	0	0	2
MARY MANSE COL	43	0	0	0	0	43	0	0	0
MIAMI UNIV	1,191	0	4	0	0	906	0	42	239
MT UNION COL	158	0	0	0	0	118	0	0	40
MUSKINGUM COL	1,151	0	0	0	0	1,081	0	0	70
NOTRE DAME COL	54	0	0	0	0	54	0	0	0
OBERLIN COL	406	0	17	0	0	195	0	0	194
OHIO COL OF APPLIED SCI**	30	0	0	0	0	30	0	0	0
OHIO COL OF PODIATRY	183	0	0	0	0	183	0	0	0
OHIO NORTHERN UNIV	1,131	0	0	0	0	1,129	0	0	2
OHIO STATE UNIV	31,198	4,783	780	43	2,099	19,483	260	533	3,217
OHIO TECH INST **	18	0	0	0	0	18	0	0	0
OHIO UNIV	6,460	1	6	11	214	5,876	0	36	316
OHIO WESLEYAN UNIV	272	0	0	0	0	136	0	0	136
OTTERBEIN COL	161	0	0	0	0	151	0	0	10
OUR LADY CINCINNATI COL	47	0	0	0	0	47	0	0	0
RABBINICAL COL OF TELSHE	24	0	0	0	0	24	0	0	0
RIO GRANDE COL	47	0	0	0	0	47	0	0	0
SALMON P CHASE COL OF LAW	6	0	0	0	0	6	0	0	0
SCH OF DAYTON ART INST	5	0	0	0	0	5	0	0	0
SINCLAIR COL**	15	0	0	0	0	15	0	0	0
ST JOHN COL OF CLEVELAND	63	0	0	0	0	63	0	0	0
TIFFIN UNIV	6	0	0	0	0	6	0	0	0
UNIV OF AKRON	1,427	0	0	18	115	976	126	0	192
UNIV OF CINCINNATI	10,859	0	62	13	1,373	8,646	155	242	368
UNIV OF DAYTON	6,995	0	4	10	3,762	3,098	0	0	121
UNIV OF TOLEDO	2,030	0	23	0	15	1,797	32	89	74
URBANA UNIV **	402	0	0	0	0	402	0	0	0
URSULINE COL	90	0	0	0	0	90	0	0	0
WALSH COL	46	0	0	0	0	46	0	0	0
WESTERN COL FOR WOMEN	19	0	0	0	0	19	0	0	0
WESTERN RESERVE UNIV	22,565	0	509	0	557	20,657	116	138	588
WILBERFORCE UNIV	1,742	0	0	0	0	1,742	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
OHIO									
WILMINGTON COL	41	0	0	0	0	41	0	0	0
WITTENBERG UNIV	284	0	0	0	0	268	0	0	16
XAVIER UNIV	117	0	8	0	0	107	0	0	2
YOUNGSTOWN STATE UNIV	1,415	0	0	0	0	1,403	0	0	12
OKLAHOMA									
STATE TOTAL	33,219	2,984	198	351	1,665	23,766	570	811	2,874
ALTUS JR COL **	98	0	0	0	0	98	0	0	0
BACONE COL**	35	0	0	0	0	35	0	0	0
BETHANY-NAZARENE COL	120	0	0	0	0	112	0	0	8
CAMERON STATE AGR COL**	283	0	0	0	0	283	0	0	0
CENTRAL PILGRIM COL	32	0	0	0	0	32	0	0	0
CENTRAL STATE COL	1,061	0	0	0	0	1,057	0	0	4
CONNORS STATE AGR COL**	45	0	0	0	0	45	0	0	0
EAST CENTRAL STATE COL	322	0	0	0	0	322	0	0	0
EASTN OKLA AGR & MECH COL**	44	0	0	0	0	44	0	0	0
EL RENO COL**	3	0	0	0	0	3	0	0	0
LANGSTON UNIV	371	16	0	0	0	355	0	0	0
MURRAY STATE AGR COL**	338	0	0	0	0	338	0	0	0
NORTHEASTERN OKLA A&M COL**	838	0	0	0	0	838	0	0	0
NORTHEASTERN STATE COL	800	0	0	0	0	800	0	0	0
NORTHERN OKLAHOMA COL**	321	0	0	0	0	321	0	0	0
NORTHWESTERN STATE COL	587	0	0	0	0	579	0	0	8
OKLA COL OF LIBERAL ARTS	221	0	0	0	0	221	0	0	0
OKLAHOMA BAPTIST UNIV	65	0	0	0	0	63	0	0	2
OKLAHOMA CHRISTIAN COL	75	0	0	0	0	75	0	0	0
OKLAHOMA CITY UNIV	531	0	0	3	0	468	0	40	20
OKLAHOMA MILITARY ACADEMY**	19	0	0	0	0	19	0	0	0
OKLAHOMA STATE UNIV	10,754	2,885	47	147	777	4,961	367	475	1,095
ORAL ROBERTS UNIV	84	0	0	0	0	84	0	0	0
PANHANDLE AGR & MECH COL	325	0	0	0	0	323	0	0	2
PHILLIPS UNIV	152	0	0	0	0	152	0	0	0
POTEAU COMM COL **	48	0	0	0	0	48	0	0	0
SAYRE JR COL**	10	0	0	0	0	10	0	0	0
SOUTHEASTERN STATE COL	498	0	0	4	0	294	0	98	102
SOUTHWESTERN COL **	17	0	0	0	0	17	0	0	0
SOUTHWESTERN STATE COL	806	0	0	4	0	681	0	0	121
ST GREGORYS COL **	47	0	0	0	0	47	0	0	0
UNIV OF OKLAHOMA	14,108	83	127	193	888	10,953	203	198	1,463
UNIV OF TULSA	161	0	24	0	0	88	0	0	49
OREGON									
STATE TOTAL	45,445	1,942	1,202	57	957	33,841	913	550	5,983
BLUE MOUNTAIN COMM COL**	69	0	0	0	0	69	0	0	0
CASCADE COL	82	0	0	0	0	82	0	0	0
CENTRAL OREGON COMM COL**	35	0	0	0	0	33	0	0	2
CLACKAMUS COMMUNITY COL	21	0	0	0	0	21	0	0	0
CLATSOP COMM COL**	120	0	0	0	0	120	0	0	0
COLUMBIA CHRISTIAN COL**	28	0	0	0	0	28	0	0	0
CONCORDIA COL **	14	0	0	0	0	14	0	0	0
EASTERN OREGON COL	155	0	0	0	0	153	0	0	2
GEORGE FOX COL	50	0	0	0	0	50	0	0	0
LANE COMM COL **	367	0	0	0	0	367	0	0	0
LEWIS AND CLARK COL	1,085	0	0	0	0	1,078	0	0	7
LINFIELD COL	266	0	0	0	0	202	0	0	64
MARYLHURST COL	58	0	0	0	0	49	0	0	9
MT ANGEL COL	70	0	0	0	0	70	0	0	0
MT HOOD COMM COL **	33	0	0	0	0	33	0	0	0
MULTNOMAH COL **	35	1	0	0	0	34	0	0	0
MUSEUM ART SCHOOL	11	0	0	0	0	11	0	0	0
OREGON COL OF EDUCATION	1,164	0	0	0	0	1,100	0	0	64
OREGON STATE UNIV	12,648	1,941	679	36	309	5,481	913	260	3,029
OREGON TECH INST	69	0	0	0	0	66	0	0	3
PACIFIC UNIV	270	0	0	0	0	259	0	0	11
PORTLAND COMM COL **	553	0	0	0	0	553	0	0	0
PORTLAND STATE COL	3,247	0	0	0	0	3,135	0	0	112
REED COL	640	0	6	0	39	336	0	0	259
SOUTHERN OREGON COL	992	0	0	0	0	932	0	0	60
SOUTHWESTN OREG COMM COL**	31	0	0	0	0	31	0	0	0
TREASURE VALLEY COMM COL**	106	0	0	0	0	106	0	0	0
UMPQUA COMM COL **	527	0	0	0	0	527	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
OREGON									
UNIV OF OREGON	21,831	0	517	21	609	18,087	0	290	2,307
UNIV OF PORTLANC	723	0	0	0	0	677	0	0	46
WARNER PACIFIC COL	37	0	0	0	0	37	0	0	0
WILLAMETTE UNIV	108	0	0	0	0	100	0	0	8
PENNSYLVANIA									
STATE TOTAL	172,842	4,882	3,666	317	11,968	125,186	911	3,242	22,670
ALBRIGHT COL	20	0	0	0	0	20	0	0	0
ALLEGHENY COL	73	0	0	0	0	39	0	0	34
ALLEGHENY COUNTY COMM COL **	130	0	0	0	0	130	0	0	0
ALLENTOWN COL ST FRANCIS	217	0	0	0	0	217	0	0	0
ALLIANCE COL	105	0	0	0	0	103	0	0	2
ALVERNIA COL	469	0	0	0	0	469	0	0	0
BEAVER COL	1,052	0	0	0	1	987	0	0	64
BLOCMSBURG STATE COL	208	0	0	0	0	208	0	0	0
BRYN MAWR COL	882	0	0	0	0	645	0	0	237
BUCKNELL UNIV	486	0	0	10	57	231	0	0	188
BUCKS COUNTY COMM COL **	9	0	0	0	0	9	0	0	0
CABRINI COL	7	0	0	0	0	7	0	0	0
CALIFORNIA STATE COL	370	0	0	0	0	370	0	0	0
CARNEGIE INST OF TECH	12,673	0	1,903	15	2,091	2,254	35	201	6,174
CEDAR CREST COL	68	0	0	0	0	68	0	0	0
CHATHAM COL	107	0	0	0	0	107	0	0	0
CHESTNUT HILL COL	39	0	0	0	0	39	0	0	0
CHEYNEY STATE COL	120	0	0	0	0	120	0	0	0
CHRIST SAVIOUR SEMINARY	6	0	0	0	0	6	0	0	0
CLARION STATE COL	1,653	0	0	0	0	1,653	0	0	0
COL MISERICORDIA	79	0	0	0	0	79	0	0	0
COMM COL OF PHILACELPHIA **	102	0	0	0	0	102	0	0	0
CROZER THEOL SEMINARY	29	0	0	0	0	29	0	0	0
DEL VALLEY COL SCI & AGR	155	0	0	0	0	155	0	0	0
DICKINSON COL	451	0	5	0	0	417	0	0	29
DICKINSON SCHOOL OF LAW	1	0	0	0	0	1	0	0	0
DREXEL INST OF TECH	3,804	3	0	8	374	2,323	31	137	928
DROPSIE COL HEBR COG LRNG	26	0	0	0	0	26	0	0	0
DUQUESNE UNIV	937	0	0	0	0	763	0	39	135
EAST STROUDSBRG STATE COL	39	0	1	0	0	38	0	0	0
EASTERN BAPTIST COL	24	0	0	0	0	24	0	0	0
EASTERN PILGRIM COL	36	0	0	0	0	36	0	0	0
EDINBORO STATE COL	672	0	0	0	0	672	0	0	0
ELIZABETHTOWN COL	122	0	0	0	0	112	0	0	10
ELLEN CUSHING JR COL **	19	0	0	0	0	19	0	0	0
FRANKLIN AND MARSHALL COL	647	0	2	0	0	226	0	0	419
GANNON COL	2,263	0	0	0	0	2,263	0	0	0
GENEVA COL	48	0	0	0	0	37	0	0	11
GETTYSBURG COL	142	0	0	0	0	82	0	0	60
GWYNEDD-MERCY COL	42	0	0	0	0	42	0	0	0
HAHNEMANN MED COL & HOSP	10,828	1	0	0	11	10,658	0	0	158
HARCUM JR COL **	21	0	0	0	0	21	0	0	0
HARRISBURG AREA COMM COL **	1,668	0	0	0	0	1,668	0	0	0
HAVERFORD COL	330	0	8	0	0	230	0	36	56
HOLY FAMILY COL	23	0	2	0	0	21	0	0	0
IMMACULATA COL	112	0	0	0	0	112	0	0	0
INDIANA UNIV OF PA	1,288	0	0	0	0	1,274	0	0	14
JEFFERSON MED COL PHILA	6,032	0	70	0	10	5,892	0	0	60
JUNIATA COL	153	0	0	0	0	86	0	0	67
KEYSTONE JR COL **	127	0	0	0	0	127	0	0	0
KINGS COL	1,673	0	0	0	0	1,673	0	0	0
KUTZTOWN STATE COL	59	0	0	0	0	59	0	0	0
LA ROCHE COL	52	0	0	0	0	52	0	0	0
LAFAYETTE COL	573	0	0	0	0	558	0	0	15
LASALLE COL	150	1	0	0	0	149	0	0	0
LEBANON VALLEY COL	80	0	0	0	0	74	0	0	6
LEHIGH UNIV	3,464	0	40	0	545	1,093	176	191	1,419
LINCOLN UNIV	825	0	1	0	0	783	0	0	41
LOCK HAVEN STATE COL	120	0	0	0	0	120	0	0	0
LYCOMING COL	522	0	0	0	0	515	0	0	7
MANOR JR COL **	10	0	0	0	0	10	0	0	0
MANSFIELD STATE COL	123	0	0	0	0	123	0	0	0
MARYWOOD COL	358	0	0	0	0	358	0	0	0
MERCYHURST COL	61	0	0	0	0	57	0	0	4
MESSIAH COL	547	0	0	0	0	532	0	0	15
MILLERSVILLE STATE COL	765	0	0	0	0	707	0	0	58
MONTGOMERY CNTY COMM COL **	7	0	0	0	0	7	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
PENNSYLVANIA									
MOORE COL OF ART	13	0	0	0	0	13	0	0	0
MORAVIAN COL	1,191	0	0	0	0	1,189	0	0	2
MT ALOYSIUS JR COL**	16	0	0	0	0	16	0	0	0
MT MERCY COL	710	0	0	0	0	697	0	0	13
MUHLENBERG COL	460	0	0	0	0	438	0	0	22
NORTHEASTN CHRISTN JR COL **	42	0	0	0	0	42	0	0	0
OUR LADY OF ANGELS COL	6	0	0	0	0	6	0	0	0
PEIRCE JR COL**	31	0	0	0	0	31	0	0	0
PENNSYLVANIA COL OPTOMET	229	0	0	0	0	229	0	0	0
PENNSYLVANIA COL PODIATRY	118	0	0	0	0	118	0	0	0
PENNSYLVANIA STATE UNIV	25,089	4,850	576	250	2,038	12,099	226	843	4,207
PHILA COL OF OSTEOPATHY	309	0	0	0	0	309	0	0	0
PHILA COL OF PHARM & SCI	160	0	16	0	0	116	0	0	28
PHILA COL OF TEXT & SCI	48	0	0	0	0	48	0	0	0
PHILADELPHIA COL OF ART	101	0	0	0	0	101	0	0	0
PHILADELPHIA COL OF BIBLE	63	0	0	0	0	63	0	0	0
PHILADELPHIA MUSICAL ACAD	50	0	0	0	0	50	0	0	0
PMC COLLEGES	1,242	0	0	0	0	1,203	4	0	35
POINT PARK COL	71	0	0	0	0	71	0	0	0
ROBERT MORRIS JR COL **	419	0	0	0	0	419	0	0	0
ROSEMONT COL	24	0	0	0	0	24	0	0	0
SACRED HEART JR COL**	3	0	0	0	0	3	0	0	0
SETON HILL COL	85	0	0	0	0	85	0	0	0
SHIPPENSBURG STATE COL	1,131	0	0	0	0	1,131	0	0	0
SLIPPERY ROCK STATE COL	243	0	0	0	0	241	0	0	2
SPRING GARDEN INST**	16	0	0	0	0	16	0	0	0
ST FIDELIS COL & SEMINARY	15	0	0	0	0	15	0	0	0
ST FRANCIS COL	110	0	1	0	0	109	0	0	0
ST JOSEPHS COL	234	1	0	0	0	225	0	0	8
ST VINCENT COL	212	0	0	0	0	212	0	0	0
SUSQUEHANNA UNIV	68	0	0	0	0	68	0	0	0
SWARTHMORE COL	421	0	5	0	0	119	0	0	297
TEMPLE UNIV	10,825	0	135	0	238	9,520	0	208	724
THIEL COL	2,226	0	0	0	0	2,220	0	0	6
UNIV OF PENNSYLVANIA	36,419	25	299	0	4,895	25,917	209	491	4,583
UNIV OF PITTSBURGH	24,330	0	602	34	1,575	18,736	196	1,069	2,118
UNIV OF SCRANTON	523	0	0	0	0	500	0	0	23
URSINUS COL	681	0	0	0	0	679	0	0	2
VALLEY FORGE MILIT JR COL **	5	0	0	0	0	5	0	0	0
VILLA MARIA COL	110	0	0	0	0	110	0	0	0
VILLANOVA UNIV	326	1	0	0	13	188	34	27	63
WASHINGTON & JEFFERSN COL	770	0	0	0	0	750	0	0	20
WATSON SCH OF PHYSIATRICS	32	0	0	0	0	32	0	0	0
WAYNESBURG COL	180	0	0	0	0	180	0	0	0
WEST CHESTER STATE COL	319	0	0	0	0	223	0	0	96
WESTMINSTER COL	73	0	0	0	0	69	0	0	4
WILKES COL	421	0	0	0	97	278	0	0	46
WILLIAMSPORT COMM COL **	818	0	0	0	0	818	0	0	0
WILSON COL	88	0	0	0	0	70	0	0	18
WOMANS MEDICAL COL OF PA	3,178	0	0	0	23	3,013	0	0	142
YORK JR COL**	285	0	0	0	0	285	0	0	0
RHODE ISLAND									
STATE TOTAL	16,613	666	682	1	3,013	8,742	175	482	2,852
BARRINGTON COL	104	0	0	0	0	104	0	0	0
BROWN UNIV	9,558	0	648	0	2,177	4,142	0	433	2,158
BRYANT COL	63	0	0	0	0	63	0	0	0
JOHNSON&WALES JR COL BUS **	125	0	0	0	0	125	0	0	0
MT ST JOSEPH COL	1	0	0	0	0	1	0	0	0
PROVIDENCE COL	1,466	0	0	0	10	1,425	0	0	31
R I COL	729	0	0	0	0	718	0	0	11
RHODE ISLAND JR COL**	512	0	0	0	0	512	0	0	0
RHODE ISLAND SCH DESIGN	14	0	0	0	0	14	0	0	0
ROGER WILLIAMS JR COL**	101	0	0	0	0	101	0	0	0
SALVE REGINA COL	98	0	0	0	0	92	0	0	6
SEMINARY OUR LADY OF PROV	13	0	0	0	0	13	0	0	0
UNIV OF RHODE ISLAND	3,829	666	34	1	826	1,432	175	49	646
SOUTH CAROLINA									
STATE TOTAL	26,929	3,302	157	37	373	21,388	327	162	1,183
ALLEN UNIV	765	0	0	0	0	765	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
SOUTH CAROLINA									
ANDERSON COL **	6	0	0	0	0	6	0	0	0
BENEDICT COL	110	0	0	0	0	110	0	0	0
CENTRAL WESLEYAN COL	34	0	0	0	0	34	0	0	0
CITADEL MILITARY COL S C	634	0	0	1	0	633	0	0	0
CLAFLIN COL	276	0	0	0	0	276	0	0	0
CLEMSON UNIV	5,786	3,284	53	15	31	1,717	244	70	372
COKER COL	8	0	0	0	0	8	0	0	0
COL OF CHARLESTON	14	0	0	0	0	6	0	0	8
COLUMBIA COL	68	0	0	0	0	68	0	0	0
CONVERSE COL	77	0	0	0	0	77	0	0	0
ERSKINE COL	29	0	0	0	0	23	0	0	6
FRIENDSHIP JR COL **	47	0	0	0	0	47	0	0	0
FURMAN UNIV	194	0	0	0	0	133	0	0	61
GREENVILLE TECH ED CTR **	704	0	0	0	0	704	0	0	0
LANDER COL	63	0	0	0	0	63	0	0	0
MEDICAL COL OF S C	10,222	0	0	0	263	9,953	0	0	6
MORRIS COL	241	0	0	0	0	199	0	0	42
NEWBERRY COL	468	0	0	0	0	468	0	0	0
NORTH GREENVILLE JR COL **	19	0	0	0	0	19	0	0	0
ORNGBRG-CALHN TECH ED CTR	86	0	0	0	0	86	0	0	0
PALMER COL **	32	0	0	0	0	32	0	0	0
PIEDMONT TECH ED CTR	5	0	0	0	0	5	0	0	0
PRESBYTERIAN COL	49	0	0	0	0	49	0	0	0
RENCE-DARLINGTON TECH SCH	111	0	0	0	0	111	0	0	0
RICHLAND TECH ED CTR **	574	0	0	0	0	574	0	0	0
SOUTH CAROLINA STATE COL	750	17	0	0	0	640	0	0	93
SPARTANBURG JR COL **	314	0	0	0	0	314	0	0	0
SPRTNBRG CNTY TECH ED CTR	354	0	0	0	0	354	0	0	0
SUMTER AREA TECH ED CTR	29	0	0	0	0	29	0	0	0
UNIV OF SOUTH CAROLINA	3,442	1	104	21	79	2,469	83	92	593
VOORHEES COL	149	0	0	0	0	149	0	0	0
WINTHROP COL	383	0	0	0	0	381	0	0	2
WOFFORD COL	862	0	0	0	0	862	0	0	0
YORK COUNTY TECH ED CTR	24	0	0	0	0	24	0	0	0
SOUTH DAKOTA									
STATE TOTAL	9,656	1,683	11	27	49	5,637	685	49	1,515
AUGUSTANA COL	692	0	0	0	0	494	0	0	198
BLACK HILLS STATE COL	174	0	0	0	0	165	9	0	0
DAKOTA WESLEYAN UNIV	85	0	0	0	0	85	0	0	0
GENERAL BEADLE STATE COL	253	0	0	0	0	253	0	0	0
HURON COL	52	0	0	0	0	52	0	0	0
MT MARTY COL	41	0	0	0	0	38	0	0	3
NORTHERN STATE COL	121	0	0	0	0	121	0	0	0
PRESENTATION COL **	436	0	0	0	0	436	0	0	0
SIOUX FALLS COL	450	0	0	0	0	442	0	0	8
SOUTH DAK SCH MINES TECH	1,407	0	0	1	21	410	546	0	429
SOUTH DAK STATE UNIV	3,158	1,683	11	23	28	1,103	130	6	174
SOUTHERN STATE COL	199	0	0	0	0	199	0	0	0
UNIV OF SOUTH DAKOTA	2,259	0	0	3	0	1,510	0	43	703
YANKTON COL	329	0	0	0	0	329	0	0	0
TENNESSEE									
STATE TOTAL	56,780	4,318	2,303	109	1,125	40,456	230	876	7,363
AUSTIN PEAY STATE COL	218	0	0	0	0	182	0	0	36
BETHEL COL	363	0	0	0	0	363	0	0	0
CARSON-NEWMAN COL	56	0	0	0	0	54	0	0	2
CHATTANOOGA CITY COL **	100	0	0	0	0	100	0	0	0
CHATTANOOGA ST TECH INST **	94	0	0	0	0	94	0	0	0
CHRISTIAN BROTHERS COL	343	0	0	0	0	286	0	0	57
CLEVELAND STATE COMM COL	12	0	0	0	0	12	0	0	0
COLUMBIA STATE COMM COL **	23	0	0	0	0	23	0	0	0
COVENANT COL	42	0	0	0	0	42	0	0	0
CUMBERLAND COL OF TENN **	20	0	0	0	0	18	0	0	2
DAVID LIPSCOMB COL	111	0	0	0	0	111	0	0	0
EAST TENNESSEE STATE UNIV	2,148	0	0	4	0	2,077	0	0	67
FISK UNIV	458	3	0	0	0	239	0	0	216
FREED-HARDEMAN COL **	92	0	0	0	0	92	0	0	0
GEORGE PEABODY COL TCHRS	3,291	0	0	0	0	3,103	0	0	188
HIWASSEE COL **	446	0	0	0	0	446	0	0	0
JACKSON ST COMM COLLEGE	12	0	0	0	0	12	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
TENNESSEE									
KING COL	73	0	0	0	0	61	0	0	12
KNOXVILLE COL	559	0	0	0	0	542	0	0	17
LAMBUTH COL	440	0	0	0	0	440	0	0	0
LANE COL	356	0	0	0	0	308	0	0	48
LE MOYNE COL	168	0	1	0	0	148	0	0	19
LEE COL	173	0	0	0	0	173	0	0	0
LINCOLN MEMORIAL UNIV	98	0	0	0	0	98	0	0	0
MARTIN COL**	19	0	0	0	0	19	0	0	0
MARYVILLE COL	819	0	0	0	0	819	0	0	0
MCKENZIE COL	52	0	0	0	0	52	0	0	0
MEHARRY MEDICAL COL	1,998	0	0	0	20	1,978	0	0	0
MEMPHIS ACADEMY OF ARTS	16	0	0	0	0	16	0	0	0
MEMPHIS STATE UNIV	834	0	0	5	0	756	0	0	73
MIDDLE TENN STATE UNIV	1,282	0	0	1	0	1,169	0	0	112
MILLIGAN COL	37	0	0	0	0	37	0	0	0
MORRISTOWN COL **	67	0	0	0	0	67	0	0	0
OWEN COL **	61	0	0	0	0	61	0	0	0
SIENA COL	196	0	0	0	0	194	0	0	2
SOUTHERN COL OF OPTOMETRY	223	0	0	0	0	223	0	0	0
SOUTHERN MISSIONARY COL	160	0	0	0	0	156	0	0	4
SOUTHWESTERN AT MEMPHIS	379	0	0	0	44	175	0	0	160
TENN AGR & INDUST ST UNIV	759	19	0	0	0	737	0	0	3
TENNESSEE TECHNOLOGL UNIV	990	0	0	12	0	620	0	26	332
TENNESSEE TEMPLE COL	57	0	0	0	0	57	0	0	0
TENNESSEE WESLEYAN COL	52	0	0	0	0	52	0	0	0
TREVECCA NAZARENE COL	332	0	0	0	0	332	0	0	0
TUSCULUM COL	40	0	0	0	0	40	0	0	0
UNION UNIV	40	0	0	0	0	40	0	0	0
UNIV OF CHATTANOOGA	857	0	0	0	0	855	0	0	2
UNIV OF TENNESSEE	21,011	4,295	1,985	82	949	11,958	100	667	975
UNIV OF THE SOUTH	142	0	0	0	0	40	0	0	102
VANDERBILT UNIV	16,585	1	317	5	112	10,903	130	183	4,934
WM JENNINGS BRYAN COL	76	0	0	0	0	76	0	0	0
TEXAS									
STATE TOTAL	137,072	7,009	4,373	353	8,518	93,719	848	8,755	13,497
ABILENE CHRISTIAN COL	818	0	0	0	0	809	0	0	9
ALLEN ACADEMY **	6	0	0	0	0	6	0	0	0
ALVIN JR COL**	9	0	0	0	0	9	0	0	0
AMARILLO COL**	511	1	0	0	0	510	0	0	0
ANGELINA COLLEGE	151	0	0	0	0	151	0	0	0
ANGELO STATE COL	117	0	0	0	0	117	0	0	0
AUSTIN COL	134	0	0	0	0	134	0	0	0
BAYLOR UNIV	15,028	93	0	0	200	13,878	79	549	229
BEE COUNTY COL	60	0	0	0	0	60	0	0	0
BISHOP COL	1,134	0	4	0	0	1,130	0	0	0
BLINN COL **	82	0	0	0	0	82	0	0	0
CENTRAL TEX UNION JR COL	56	0	0	0	0	56	0	0	0
CHRISTIAN COL SOUTHWEST **	183	0	0	0	0	183	0	0	0
CHRISTOPHER COL**	4	0	0	0	0	4	0	0	0
CISCO JR COL**	116	0	0	0	0	116	0	0	0
CLARENDON COL**	304	0	0	0	0	304	0	0	0
CONCORDIA LUTHERAN COL**	13	0	0	0	0	13	0	0	0
COOKE COUNTY JR COL **	51	0	0	0	0	51	0	0	0
DALLAS BAPTIST COL **	72	0	0	0	0	72	0	0	0
DALLAS COUNTY JR COL DIST	80	0	0	0	0	80	0	0	0
DEL MAR COL**	332	0	0	0	0	332	0	0	0
EAST TEXAS BAPTIST COL	115	0	0	0	0	115	0	0	0
EAST TEXS STATE UNIV	448	0	0	0	0	381	0	0	67
EL CENTRO COLLEGE **	82	0	0	0	0	82	0	0	0
FORT WORTH CHRISTIAN COL **	6	0	0	0	0	6	0	0	0
FRANK PHILLIPS COL **	12	0	0	0	0	12	0	0	0
GRAYSON COUNTY JR COL**	48	0	0	0	0	48	0	0	0
HARDIN-SIMMONS UNIV	242	0	0	0	0	242	0	0	0
HENDERSON COUNTY JR COL **	85	0	0	0	0	85	0	0	0
HILL JR COL**	36	0	0	0	0	36	0	0	0
HOUSTON BAPTIST COL	74	0	0	0	0	74	0	0	0
HOWARD COUNTY JR CCL**	96	0	0	0	0	96	0	0	0
HOWARD PAYNE COL	32	0	0	0	0	32	0	0	0
HUSTON-TILLOTSON COL	508	0	0	0	0	470	0	0	38
INCARNATE WORD COL	370	0	0	0	0	356	0	0	14
KILGORE COL **	39	0	0	0	0	39	0	0	0
LAMAR STATE COL OF TECH	1,224	1	21	0	0	1,092	0	0	110
LAREDO JR COL **	537	0	0	0	0	537	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
TEXAS									
LEE COL **	453	0	0	0	0	453	0	0	0
LETOURNEAU COL	298	0	0	0	0	298	0	0	0
LON MORRIS COL **	120	0	0	0	0	120	0	0	0
LUBBOCK CHRISTIAN COL**	362	0	0	0	0	362	0	0	0
M D ANDERSON HOSPITAL	6,804	0	0	0	52	6,562	0	190	0
MARY HARDIN-BAYLOR COL	87	0	0	0	0	87	0	0	0
MCLENNAN COMM COL**	508	0	0	0	0	508	0	0	0
MCMURRY COL	190	0	0	0	0	186	0	0	4
MIDWESTERN UNIV	701	0	0	0	0	699	0	0	2
NAVARRO JR COL**	97	0	0	0	0	97	0	0	0
NORTH TEXAS STATE UNIV	1,913	0	17	5	0	1,596	90	0	205
ODESSA COL **	93	0	0	0	0	93	0	0	0
OUR LADY OF THE LAKE COL	586	0	0	0	0	584	0	0	2
PAN AMER COL	1,406	0	0	0	0	1,406	0	0	0
PANOLA COL**	69	0	0	0	0	69	0	0	0
PARIS JR COL**	25	0	0	0	0	25	0	0	0
PAUL QUINN COL	245	0	0	0	0	245	0	0	0
PRARIE VIEW A & M COL	930	22	0	6	0	800	0	0	102
RANGER JR COL**	126	0	0	0	0	126	0	0	0
RICE UNIV	8,777	0	1,066	40	892	1,836	76	3,924	943
SACRED HEART DOMINICN COL	26	0	0	0	0	26	0	0	0
SAM HOUSTON STATE COL	877	0	9	0	0	810	0	0	58
SAN ANTONIO COL**	311	0	0	0	0	311	0	0	0
SAN JACINTO COL **	358	0	0	0	0	358	0	0	0
SCHREINER INST**	1	1	0	0	0	0	0	0	0
SOUTH PLAINS COL**	384	0	0	0	0	384	0	0	0
SOUTH TEXAS JR COL	102	0	0	0	0	102	0	0	0
SOUTHERN METHODIST UNIV	3,845	0	0	27	221	3,071	0	157	369
SOUTHWEST CTR ADV STUDIES	108	0	108	0	0	0	0	0	0
SOUTHWEST TEXAS JR COL**	55	0	0	0	0	55	0	0	0
SOUTHWEST TEXAS STATE COL	231	0	0	0	0	229	0	0	[illegible]
SOUTHWESTERN MEDICAL SCH	5,681	0	0	0	19	5,487	0	175	0
SOUTHWESTERN UNION COL**	65	0	0	0	0	65	0	0	0
SOUTHWESTN ASSEMB GOD COL	8	0	0	0	0	8	0	0	0
SOUTHWESTN CHRISTIAN COL	37	0	0	0	0	37	0	0	0
ST EDWARDS UNIV	65	0	0	0	0	59	0	0	6
ST MARYS UNIV SAN ANTONIO	384	0	0	0	0	380	0	0	4
STEPHEN F AUSTIN STATE CO	334	13	0	0	0	295	0	0	26
SUL ROSS STATE COL	434	0	0	0	0	424	0	0	10
TARLETON STATE COL	234	0	0	0	0	234	0	0	0
TARRANT COUNTY JR COL	846	0	0	0	0	846	0	0	0
TEMPLE JR COL**	23	0	0	0	0	23	0	0	0
TEXARKANA COL**	84	0	0	0	0	84	0	0	0
TEXAS A & M UNIV COLLEGE STATION	14,126	6,876	2,200	111	602	2,406	72	515	1,344
TEXAS A&M UNIV CTRL SYS*	1,353	0	0	86	810	199	258	0	0
TEXAS ARTS & INDUST UNIV	822	0	0	0	0	791	0	0	31
TEXAS CHRISTIAN UNIV	2,586	0	36	0	0	2,277	0	145	128
TEXAS COL	285	0	0	0	0	285	0	0	0
TEXAS LUTHERAN COL	433	0	0	0	0	425	0	0	8
TEXAS SOUTHERN UNIV	1,997	0	0	0	0	1,835	0	25	137
TEXAS SOUTHMOST COL**	363	0	0	0	0	363	0	0	0
TEXAS TECHNOLOGICAL COL	3,850	1	0	0	102	3,328	16	108	295
TEXAS WESLEYAN COL	25	0	0	0	0	25	0	0	0
TEXAS WOMANS UNIV	1,850	0	18	5	0	1,515	0	178	134
TRINITY UNIV	1,363	0	0	0	0	1,161	0	0	202
TYLER JR COL**	423	0	0	0	0	423	0	0	0
UNIV OF CORPUS CHRISTI	133	0	0	0	0	133	0	0	0
UNIV OF DALLAS	119	0	0	0	0	119	0	0	0
UNIV OF HOUSTON	5,574	1	71	14	135	3,676	98	1,069	510
UNIV OF ST THOMAS	797	0	0	30	13	749	0	0	5
UNIV OF TEXAS ARLINGTON	1,682	0	0	0	0	1,618	0	0	64
UNIV OF TEXAS AT AUSTIN	27,657	0	823	4	4,355	12,403	0	1,691	8,381
UNIV OF TEXAS AT EL PASO	1,834	0	0	0	934	838	0	29	33
UNIV OF TEXAS CTRL SYS*	5,394	0	0	25	173	5,012	159	0	25
UNIV OF TEXAS MEDICAL SCH	247	0	0	0	10	237	0	0	0
WAYLAND BAPTIST COL	123	0	0	0	0	123	0	0	0
WEATHERFORD COL **	525	0	0	0	0	525	0	0	0
WEST TEXAS STATE UNIV	1,439	0	0	0	0	1,439	0	0	0
WHARTON COUNTY JR COL **	119	0	0	0	0	119	0	0	0
WILEY COL	455	0	0	0	0	455	0	0	0
UTAH									
STATE TOTAL	29,610	1,169	1,280	70	2,749	19,915	665	435	3,327
BRIGHAM YOUNG UNIV	1,313	4	106	0	117	678	29	58	321

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES
BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
UTAH									
DIXIE COL **	607	0	0	0	0	607	0	0	0
UNIV OF UTAH	19,401	15	1,055	66	1,756	14,188	97	274	1,950
UTAH STATE UNIV	7,297	1,147	117	3	876	3,472	539	103	1,040
WEBER STATE COL	823	3	2	1	0	801	0	0	16
WESTMINSTER COL	169	0	0	0	0	169	0	0	0
VERMONT									
STATE TOTAL	7,900	923	44	28	153	5,853	88	205	606
BENNINGTON COL	26	0	0	0	0	24	0	0	2
CASTLETON STATE COL	53	0	0	0	0	51	0	0	2
CHAMPLAIN COL **	11	0	0	0	0	11	0	0	0
COL OF ST JOSEPH THE PROV	282	0	0	0	0	282	0	0	0
GODDARD COL	40	0	0	0	0	40	0	0	0
GREEN MOUNTAIN COL **	313	0	0	0	0	313	0	0	0
JOHNSON STATE COL	53	0	0	0	0	53	0	0	0
LYNDON STATE COL	71	0	0	0	0	71	0	0	0
MARLBORO COL	6	0	0	0	0	6	0	0	0
MIDDLEBURY COL	148	0	0	0	0	111	0	0	37
NORWICH UNIV	58	0	0	15	0	37	0	0	6
ST MICHAELS COL	126	0	0	0	0	126	0	0	0
TRINITY COL	5	0	0	0	0	5	0	0	0
UNIV OF VERMONT	5,979	923	44	13	153	4,004	88	205	549
VERMONT COL	7	0	0	0	0	7	0	0	0
VERMONT TCH COL **	298	0	0	0	0	298	0	0	0
WINDHAM COL	424	0	0	0	0	414	0	0	10
VIRGINIA									
STATE TOTAL	42,408	3,852	1,024	100	1,092	30,826	198	1,844	3,472
BLUE RIDGE COMMUNITY COL	6	0	0	0	0	6	0	0	0
BRIDGEWATER COL	246	0	0	0	0	219	0	0	27
CENTRAL VA COMMUNITY COL	214	0	0	0	0	214	0	0	0
COL OF WILLIAM AND MARY	955	0	0	12	25	266	0	345	307
EASTERN MENNONITE COL	194	0	0	0	0	194	0	0	0
EMORY & HENRY COL	92	0	0	0	0	90	0	0	2
FERRUM JR COL **	485	0	0	0	0	485	0	0	0
HAMPDEN-SYDNEY COL	135	0	0	0	0	15	0	0	120
HAMPTON INST	1,762	0	0	0	0	1,638	0	32	92
HOLLINS COL	114	0	0	0	16	78	0	0	20
JOHN TYLER TECH COL	74	0	0	0	0	74	0	0	0
LONGWOOD COL	13	0	0	0	0	13	0	0	0
LYNCHBURG COL	159	0	0	1	0	158	0	0	0
MADISON COL	291	0	0	0	0	286	0	0	5
MARY BALDWIN COL	428	0	0	0	0	428	0	0	0
MARYMOUNT COL OF VIRGINIA **	5	0	0	0	0	5	0	0	0
MEDICAL COL OF VIRGINIA	7,956	0	80	0	371	7,346	0	99	60
NORTHERN VIRGINIA COMM CO **	43	0	0	0	0	43	0	0	0
OLD DOMINION COL	847	0	16	24	13	742	0	0	52
RADFORD COL	190	0	0	0	0	190	0	0	0
RANDOLPH-MACON COL	27	0	0	0	0	25	0	0	2
RANDOLPH-MACON WOMANS COL	101	0	0	0	0	35	0	0	66
RICHMOND PROFESSIONAL INS	2,405	0	0	0	0	2,405	0	0	0
ROANOKE COL	185	0	15	0	0	153	0	0	17
SHENANDOAH COL	14	0	0	0	0	14	0	0	0
SOUTHWEST VIRGINIA JR COL	128	0	0	0	0	128	0	0	0
ST PAULS COL	148	0	0	0	0	148	0	0	0
SULLINS COL **	311	0	0	0	0	311	0	0	0
UNIV OF RICHMOND	10	0	0	3	0	7	0	0	0
UNIV OF VIRGINIA	14,244	0	752	13	557	10,492	45	903	1,482
VA WESTERN COMMUNITY COL **	1,066	0	0	0	0	1,066	0	0	0
VIRGINIA MILITARY INST	48	0	0	4	12	30	0	0	2
VIRGINIA POLYTECHNIC INST	6,856	3,813	156	43	98	1,247	153	465	881
VIRGINIA STATE COL	1,767	39	5	0	0	1,434	0	0	289
VIRGINIA UNION UNIV	579	0	0	0	0	579	0	0	0
VIRGINIA WESLEYAN COL	43	0	0	0	0	43	0	0	0
WASHINGTON & LEE UNIV	267	0	0	0	0	219	0	0	48
WASHINGTON									
STATE TOTAL	63,115	2,378	3,128	77	3,335	42,836	1,583	2,292	7,486

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
WASHINGTON									
BELLEVUE COMM COL**	861	0	0	0	0	861	0	0	0
BIG BEND COMM COL**	45	0	0	0	0	45	0	0	0
CENTRAL WASH STATE COL	1,524	0	0	0	0	1,503	0	0	21
CENTRALIA COL **	37	0	0	0	0	37	0	0	0
CLARK COL **	25	0	0	0	0	25	0	0	0
CLOVER PARK COMMUNITY COL	12	0	0	0	0	12	0	0	0
COLUMBIA BASIN COL **	58	0	0	0	0	58	0	0	0
EASTERN WASH STATE COL	1,442	0	0	0	0	1,426	0	0	16
EVERETT JR COL **	325	0	0	0	0	325	0	0	0
FORT WRIGHT COL HOLY NAME	49	0	0	0	0	35	0	0	14
GONZAGA UNIV	369	0	0	5	0	347	0	0	17
GRAYS HARBOR COL **	44	0	0	0	0	40	0	0	4
GREEN RIVER COMM COL **	79	0	0	0	0	79	0	0	0
HIGHLINE COL**	72	0	0	0	0	72	0	0	0
LOWER COLUMBIA COL **	28	0	0	0	0	28	0	0	0
NORTHWEST COL	37	0	0	0	0	37	0	0	0
OLYMPIC COL**	391	0	0	0	0	391	0	0	0
PACIFIC LUTHERAN UNIV	752	0	0	0	0	702	0	0	50
PENINSULA COL**	38	0	0	0	0	38	0	0	0
SEATTLE COMM COL **	46	0	0	0	0	46	0	0	0
SEATTLE PACIFIC COL	350	0	0	0	0	327	0	0	23
SEATTLE UNIV	601	0	0	0	0	490	0	0	111
SHORELINE COMM COL **	74	0	0	0	0	74	0	0	0
SKAGIT VALLEY COL **	17	0	0	0	0	17	0	0	0
SPOKANE COMM COL **	59	0	0	0	0	59	0	0	0
ST MARTINS COL	113	0	0	0	0	104	0	0	9
TACOMA COMM COL**	451	0	0	0	0	451	0	0	0
UNIV OF PUGET SOUND	170	0	0	0	0	166	0	0	4
UNIV OF WASHINGTON	43,411	125	2,827	34	2,932	28,350	1,213	2,214	5,716
WALLA WALLA COL	172	0	0	0	0	172	0	0	0
WALLA WALLA COMMUNITY COL	12	0	0	0	0	12	0	0	0
WASHINGTON STATE UNIV	9,794	2,252	294	38	403	5,132	370	78	1,227
WENATCHEE VALLEY COL **	64	0	0	0	0	64	0	0	0
WESTERN WASH STATE COL	1,180	0	7	0	0	937	0	0	236
WHITMAN COL	179	0	0	0	0	168	0	0	11
WHITWORTH COL	180	0	0	0	0	153	0	0	27
YAKIMA VALLEY COL **	54	1	0	0	0	53	0	0	0
WEST VIRGINIA									
STATE TOTAL	19,792	2,396	152	30	402	15,084	159	212	1,357
ALDERSON-BROADDUS COL	430	0	0	0	0	425	0	0	5
BECKLEY COL**	19	0	0	0	0	19	0	0	0
BETHANY COL	437	0	0	1	0	387	0	0	49
BLUEFIELD STATE COL	813	0	0	0	0	813	0	0	0
CONCORD COL	468	0	0	11	0	457	0	0	0
DAVIS & ELKINS COL	112	0	0	0	0	110	0	0	2
FAIRMONT STATE COL	182	0	0	0	0	182	0	0	0
GLENVILLE STATE COL	300	0	0	0	0	300	0	0	0
MARSHALL UNIV	1,055	0	0	0	37	923	0	0	95
MORRIS HARVEY COL	328	0	0	0	0	322	0	0	6
OHIO VALLEY COL**	32	0	0	0	0	32	0	0	0
SALEM COL	1,254	0	0	0	0	1,254	0	0	0
SHEPHERD COL	438	0	0	1	0	437	0	0	0
ST MARYS HOSP SCH OF NURS	6	0	0	0	0	6	0	0	0
WEST LIBERTY STATE COL	124	0	0	0	0	122	0	0	2
WEST VIRGINIA INST TECH	543	0	0	0	0	543	0	0	0
WEST VIRGINIA STATE COL	206	0	0	0	0	204	0	0	2
WEST VIRGINIA UNIV	11,794	2,396	152	17	365	7,313	159	212	1,180
WEST VIRGINIA WESLEYAN CO	516	0	0	0	0	516	0	0	0
WHEELING COL	735	0	0	0	0	719	0	0	16
WISCONSIN									
STATE TOTAL	81,675	3,788	3,129	944	773	55,871	776	4,707	11,687
ALVERNO COL	164	0	0	0	0	162	0	0	2
BARRON COUNTY TCHRS COL**	1,093	0	0	0	0	1,093	0	0	0
BELOIT COL	197	0	0	0	0	144	0	0	53
CARDINAL STRITCH COL	22	0	0	0	0	22	0	0	0
CARROLL COL	70	0	0	0	0	60	0	0	10
CARTHAGE COL	80	0	0	0	0	80	0	0	0
COLUMBIA COUNTY TCHRS COL**	4	0	0	0	0	4	0	0	0
CONCORDIA COL**	8	0	0	0	0	8	0	0	0

See footnotes at end of table.

TABLE B-4 CONT.

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY STATE, INSTITUTION, AND AGENCY, 1967

(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGRIC	AEC	COMM	DOD	HEW	INTER	NASA	NSF
WISCONSIN									
DODGE COUNTY TCHRS COL**	8	0	0	0	0	8	0	0	0
DOMINICAN COL	66	0	0	0	0	64	0	0	2
EDGEWOOD COL SACRED HEART	36	0	0	0	0	36	0	0	0
HOLY FAMILY COL	4	0	0	0	0	4	0	0	0
JUNEAU COUNTY TCHRS COL**	7	0	0	0	0	7	0	0	0
LAKELAND COL	64	0	0	0	0	64	0	0	0
LAWRENCE UNIV	259	0	0	0	0	128	0	0	131
LAYTON SCHOOL OF ART	5	0	0	0	0	5	0	0	0
MADISON VOC TECH SCH **	476	0	0	0	0	476	0	0	0
MARIAN COL OF FOND DU LAC	41	0	0	0	0	41	0	0	0
MARQUETTE UNIV	5,438	0	44	22	101	4,745	44	18	464
MILTON COL	85	0	0	0	0	85	0	0	0
MILWAUKEE INST OF TECH**	151	0	0	0	0	151	0	0	0
MILWAUKEE SCHOOL OF ENG	79	1	1	0	0	77	0	0	0
MT MARY COL	86	0	0	0	0	86	0	0	0
MT SENARIO COL	67	0	0	0	0	67	0	0	0
MT ST PAUL COL	11	0	0	0	0	11	0	0	0
NORTHLAND COL	402	0	0	0	0	402	0	0	0
RACINE-KENSHA TCHRS COL**	2	0	0	0	0	2	0	0	0
RICHLAND COUNTY TCHRS COL **	3	0	0	0	0	3	0	0	0
RIPON COL	1,150	0	0	0	0	1,106	0	0	44
SAUK COUNTY TCHRS COL **	5	0	0	0	0	5	0	0	0
ST LAWRENCE SEMINARY **	2	0	0	0	0	2	0	0	0
ST NORBERT COL	146	0	0	0	0	146	0	0	0
STOUT STATE UNIV	1,224	0	0	0	0	1,224	0	0	0
TAYLOR COUNTY TCHRS COL **	7	0	0	0	0	7	0	0	0
UNIV OF WISC MADISON	52,444	3,787	3,066	922	357	28,728	732	4,689	10,163
UNIV OF WISC MILWAUKEE	3,059	0	0	0	0	2,695	0	0	364
UNIV OF WISC CENTRAL SYS*	2,475	0	0	0	315	2,159	0	0	1
UNIV OF WISCONSIN CTR	218	0	0	0	0	218	0	0	0
VERNON COUNTY TCHRS COL**	5	0	0	0	0	5	0	0	0
VITERBO COL	1,036	0	0	0	0	1,036	0	0	0
WAUSHARA COUNTY TCHRS COL **	2	0	0	0	0	2	0	0	0
WISC ST UNIV CENTRAL SYS*	48	0	0	0	0	0	0	0	48
WISC ST UNIV STEVENS PNT	1,587	0	0	0	0	1,585	0	0	2
WISC STATE UNIV EAU CLAIR	2,266	0	0	0	0	2,264	0	0	2
WISC STATE UNIV LA CROSSE	543	0	0	0	0	543	0	0	0
WISC STATE UNIV OSHKOSH	1,717	0	0	0	0	1,713	0	0	4
WISC STATE UNIV PLATTEVLL	2,313	0	0	0	0	2,309	0	0	4
WISC STATE UNIV RIVER FLL	588	0	0	0	0	481	0	0	107
WISC STATE UNIV SUPERIOR	1,215	0	0	0	0	1,014	0	0	201
WISC STATE UNIV WHITEWATR	692	0	18	0	0	589	0	0	85
WISCONSIN CONSERVATORY	5	0	0	0	0	5	0	0	0
WYOMING									
STATE TOTAL	7,087	1,019	113	17	15	4,135	628	131	1,029
CASPER COL **	60	0	0	0	0	58	0	0	2
GOSHEN COUNTY COMM COL **	211	0	0	0	0	209	0	0	2
NORTHERN WYOMING COMM COL	85	0	0	0	0	85	0	0	0
NORTHWEST COMM COL **	39	0	0	0	0	39	0	0	0
UNIV OF WYOMING	6,674	1,019	113	17	15	3,726	628	131	1,025
WESTERN WYOMING COMM COL **	18	0	0	0	0	18	0	0	0
GUAM									
STATE TOTAL	464	0	0	15	0	417	0	0	32
COL OF GUAM	464	0	0	15	0	417	0	0	32
PUERTO RICO									
STATE TOTAL	22,716	3,896	2,298	4	256	15,611	88	0	563
CATHOLIC UNIV OF P R	699	0	0	0	0	650	0	0	49
COL OF THE SACRED HEART	49	0	0	0	0	49	0	0	0
INTER AMER UNIV OF P R	1,801	0	0	2	0	1,739	0	0	60
PUERTO RICO JR COL **	331	0	0	0	0	331	0	0	0
UNIV OF P R MAYAGUEZ	59	0	0	2	0	57	0	0	0
UNIV OF P R RIO PIEDRAS	12,248	3,896	2,298	0	256	5,256	88	0	454
UNIV OF P R SAN JUAN	7,529	0	0	0	0	7,529	0	0	0
VIRGIN ISLANDS									
STATE TOTAL	479	0	0	29	0	445	0	0	5
COL OF VIRGIN ISLANDS **	479	0	0	29	0	445	0	0	5
UNITED STATES TOTAL	3,311,070	144,818	109,624	7,923	264,102	2,231,163	27,429	131,464	394,547

** Two-year institution, as designated by the Office of Education.

* Administrative center for the university systems. The Central Systems listed in the table represent funds going to part of a university system, such as a graduate center, that encompasses the teaching and research activities of a number of institutions that form the system. In addition, in some cases, the funds shown for the Central System may be distributed eventually to institutions that are part of the system.

‡ Main university only.

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